



## **NOTICE OF PUBLIC MEETING OF THE PLEASANT GROVE CITY COUNCIL**

Notice is hereby given that the Pleasant Grove City Council will hold a **regular meeting at 6:00 p.m. on Tuesday August 5, 2014** in City Council Chambers, 86 East 100 South, Pleasant Grove, Utah. This is a public meeting and anyone interested is invited to attend. Work meetings are not designed to hear public comment or take official action.

### **AGENDA**

- 1. CALL TO ORDER**
- 2. PLEDGE OF ALLEGIANCE**
- 3. OPENING REMARKS**
- 4. APPROVAL OF MEETING'S AGENDA**
- 5. CONSENT ITEMS:** (Consent items are only those which have been discussed beforehand, are non-controversial and do not require further discussion)
  - a.** City Council and Work Session Minutes:
    - City Council Minutes for the June 18, 2014 Emergency Meeting
    - City Council Minutes for the June 23, 2014 Special Meeting
    - City Council Minutes for the July 1, 2014 meeting.
    - City Council Work Session Minutes for the July 8, 2014 meeting.
    - City Council Minutes for the July 15, 2014 meeting.
  - b.** To consider for approval Change Order No. 4 and Final Payment for Dennis Lierd II Construction Inc. for the 220 South Waterline Project.
  - c.** To consider for approval Change Order No. 1 and Final Payment for S & L Inc. for the 500 East Storm Drain Improvements Project.
  - d.** To consider approval of paid vouchers for (July 23, 2014)
- 6. OPEN SESSION**
- 7. BUSINESS**
  - A.** To consider for adoption a Resolution **(2014-031)** authorizing the Mayor to sign an Interlocal Agreement with Alpine School District for the cooperative use and management of Battle Creek Park and providing for an effective date. *Presenter: Administrator Darrington*
  - B.** To consider for adoption a Resolution **(2014-032)** authorizing the Mayor to sign a Procurement Contract and Notice of Award to Canyon Industries, Inc. for the Battle Creek Microhydro Power Generation Project and providing for an effective date. *Presenter: Administrator Darrington*
  - C.** To consider for adoption a Resolution **(2014-033)** amending the fee schedule for rental of the Lions/Sportsman Center and Jacobs Senior Center facilities and providing for an effective date. *Presenter: Director Giles*

- D.** To consider for adoption an Ordinance **(2014-31)** amending Title 7 Chapter 3 “Cemetery Regulations” of the Pleasant Grove City Code by adopting new regulations which includes new reporting and record keeping requirements to be in compliance with State legislation and other related matters; and providing for an effective date. *Presenter: Director Giles*

**8. NEIGHBORHOOD AND STAFF BUSINESS**

**9. MAYOR AND COUNCIL BUSINESS**

**10. ADJOURN**

**CERTIFICATE OF POSTING:**

I certify that the above notice and agenda was posted in three public places within the Pleasant Grove City limits and on the State (<http://pmn.utah.gov>) and City websites ([www.plgrove.org](http://www.plgrove.org)).

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Posted by: Kathy T. Kresser, City Recorder

Date: August 5, 2014

Time: 1:00 p.m.

Place: City Hall, Library and Community Development Building

***Supporting documents can be found online at: <http://www.plgrove.org/pleasant-grove-information-25006/staff-reports-78235>***

\*Note: If you are planning to attend this public meeting and due to a disability, need assistance in understanding or participating in the meeting, please notify the City Recorder, 801-785-5045, forty-eight hours in advance of the meeting and we will try to provide whatever assistance may be required.

**DOCUMENT 00990****CONTRACT CHANGE ORDER**

Project: Pleasant Grove City 220 South Waterline  
Location: Pleasant Grove City  
Change Order No.: 4

Date: July 18, 2014

To: Dennis Leird II Construction Inc.


You are hereby requested to comply with the following changes from the contract plans and specifications:

Item No.	Description of Changes, Quantities, Units, Unit Prices, Change in Completion Schedule, etc.	Decrease In Contract Price	Increase In Contract Price
1	The City directed the contractor to replace sidewalk which was damaged previously, repair a storm drain pipe which was damaged previously, and replace an old fire hydrant. Costs for each item of work are detailed on attached sheet.		\$1,800.00
2	Deduction of striping done by the City for the contractor. 836 linear feet striped @ \$0.13 per foot equals \$108.68.	\$108.68	
	Project Over runs and Underruns:		
3	Over run of Item #20, 8" 45 degree bend by 2 each @ \$450.00 equals \$900.00.		\$900.00
4	Over run of Alternate 1 Item #1, 8" PVC by 20 feet @ \$25.00 per foot equals \$500.00.		\$500.00
5	Underrun of Alternate 1 Item #5, 1" Lateral Water Pipe (Trenchless), by 170 feet @ \$15.00 per foot equals \$2,550.00.	\$2,550.00	
6	Over run of Alternate 1 Item #7, Import Backfill, by 35.36 tons @ \$22.00 per ton equals \$777.92.		\$777.92
7	Underrun of Alternate 1 Item #8, 2" Stabilization Rock, by 4 ton @ \$30.00 per ton equals \$120.00.	\$120.00	
8	Over run of Alternate 1 Item #9, Class A Road Repair by 1,518.89 square feet @ \$4.00 per square foot equals \$6,075.56.		\$6,075.56.
9	Over run of Alternate 2 Item #1, 1" Lateral Water Pipe (Open Trench), by 166 feet @ \$15.00 per foot equals \$2,490.00.		\$2,490.00
	Change in contract price due to this Change Order:		
	Total Decrease	\$2,778.68	
	Total Increase		\$12,543.48
	Net increase	\$9,764.80	

The sum of \$ 9,764.80 is hereby added to the total contract price and the total adjusted contract price to date thereby is \$382,872.84.

The time provided for completion in the contract is unchanged. This Document shall become an amendment to the contract & all provisions of the contract will apply hereto.

Accepted by:

  
Contractor

7/20/14  
Date

Recommended by:

  
Resident Engineer

7/21/14  
Date

Approved by:

\_\_\_\_\_  
Owner

\_\_\_\_\_  
Date

Dennis Lierd II Construction, Inc  
 3013 N 425 W  
 Lehi, UT 84043



# Invoice

Date	Invoice #
7/17/2014	231

<b>Bill To</b>
Pleasant Grove City

Terms	Project

Quantity	Description	Rate	Amount
40	Change Order #4		
	Replaced Sidewalk- 40 sf	15.00	600.00
	Storm drain repair	700.00	700.00
	Fire hydrant installation- city provided hydrant	500.00	500.00
		<b>Total</b>	<b>\$1,800.00</b>



INNOVATIVE  
MARKING  
SYSTEMS

# INVOICE

**CUSTOMER INFORMATION:**

Pleasant Grove City  
323 W 700 S  
Pleasant Grove, UT 84062

INVOICE NO.: 1445

INVOICE DATE: 7/9/2014

TERMS: Net 30

ESTIMATOR: Gary Cheever

ESTIMATE NO: NA

**PROJECT NAME / NUMBER:**

2nd South to State Street

**DATE(S) WORK PERFORMED:**

6/20/2014

REQUESTOR: John Goodman

FUNDING: City

W/O	QTY	DESCRIPTION	U/M	UNIT PRICE	AMOUNT
1139	1	Misc. Striping Yellow Paint - 3,854 LF White Paint - 3,502 LF  <u>Total = 7356'</u>  $\frac{\$ 945}{7356'} = \$ 0.13/ft$	Lump Sum	945.00	945.00

**MAKE ALL CHECKS PAYABLE TO:**

Innovative Marking Systems, Inc.

14792 So. Heritage Crest Way Bluffdale, UT 84065

TOTAL	\$945.00
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THANK YOU FOR YOUR BUSINESS!

Direct all inquires to Debaree Guice at (801) 849-0050 or email at [admin@innovativemarkings.com](mailto:admin@innovativemarkings.com)

**FINAL PAYMENT ESTIMATE  
NO. 4**

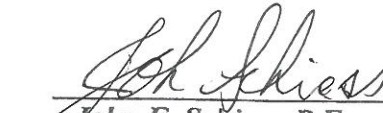
Name of Contractor: <b><i>Dennis Lierd II Construction Inc.</i></b>		
Name of Owner: <b><i>Pleasant Grove City</i></b>		
Date of Completion:	Amount of Contract:	Dates of Estimate:
Original: 15-May-14	Original: \$279,383.50	From: 12-Jun-14
Revised: 15-Jul-14	Revised: \$382,872.84	To: 15-Jul-14
Description of Job: <b><i>220 South Waterline</i></b>		
Amount	This Period	Total To Date
Amount Earned	\$32,022.80	\$382,872.84
Retainage Being Held	\$0.00	\$0.00
Retainage Being Released	\$17,542.50	\$17,542.50
Previous Payments		\$333,307.54
Amount Due	<b>\$49,565.30</b>	<b>\$49,565.30</b>

Contractor's Construction Progress is COMPLETE

I hereby certify that I have carefully inspected the work and as a result of my inspection and to the best of my knowledge and belief, the quantities shown in this estimate are correct and have not been shown on previous estimates and the work has been performed in accordance with the Contract Documents.

Recommended by Horrocks Engineers

Date: 7/18/2014

  
**John E. Schiess, P.E.**  
Project Manager

Accepted by: **Dennis Lierd II Construction Inc.**

Date: 7/20/14

  
Project Manager

Approved By: **Pleasant Grove City**

Date: \_\_\_\_\_

**Michael W. Daniels**  
Mayor

Budget Code \_\_\_\_\_ Staff Initial \_\_\_\_\_



ITEM NO.	NATURE OF WORK	CONTRACT ITEMS			QUANTITY		EARNINGS		
		Qty	Units	Unit Price	Bid Amt.	This Month	To Date	This Month	To Date
1	Mobilization	1.00	LS						
2	12 Inch PVC C-900 Water Pipe	1807	LF	\$30,000.00	\$30,000.00	0.00	1.00		\$30,000.00
3	8 Inch PVC C-900 Water Pipe	20	LF	\$25.00	\$500.00	0.00	1769.50		\$49,546.00
4	6 Inch PVC C-900 Water Pipe	125	LF	\$22.50	\$2,812.50	0.00	71.00		\$1,775.00
5	20 Inch Jack and Bore	72	LF	\$250.00	\$18,000.00	0.00	79.00		\$1,777.50
6	2 Inch Service Water Pipe	15	LF	\$25.00	\$375.00	0.00	74.00		\$18,500.00
7	1 Inch Lateral Water Pipe (Trenchless)	940	LF	\$12.00	\$11,280.00	0.00	69.00		\$1,725.00
8	12 Inch Gate Valve	3	EA	\$2,250.00	\$6,750.00	0.00	85.00		\$1,020.00
9	10 Inch Gate Valve	1	EA	\$2,000.00	\$2,000.00	0.00	3.00		\$6,750.00
10	8 Inch Gate Valve	1	EA	\$1,800.00	\$1,800.00	0.00	0.00		\$0.00
11	6 Inch Gate Valve	7	EA	\$1,200.00	\$8,400.00	0.00	2.00		\$3,600.00
12	2 Inch Gate Valve	1	EA	\$900.00	\$900.00	0.00	4.00		\$4,800.00
13	12 x 8 Inch Tee	1	EA	\$900.00	\$900.00	0.00	1.00		\$900.00
14	12 x 6 Inch Tee	5	EA	\$900.00	\$4,500.00	0.00	1.00		\$900.00
15	12 x 2 Inch Tee	1	EA	\$500.00	\$500.00	0.00	3.00		\$2,700.00
16	10 x 6 Inch Tee	2	EA	\$750.00	\$1,500.00	0.00	1.00		\$600.00
17	12 Inch 45 Degree Bend	8	EA	\$800.00	\$6,400.00	0.00	0.00		\$0.00
18	6 Inch 45 Degree Bend	14	EA	\$300.00	\$4,200.00	0.00	13.00		\$10,400.00
19	12 x 10 Inch Reducer	2	EA	\$1,200.00	\$2,400.00	0.00	0.00		\$4,500.00
20	8 Inch 45 Degree Bend	2	EA	\$450.00	\$900.00	2.00	1.00	\$900.00	\$1,200.00
21	10 Inch Cap and Thrust Block	1	EA	\$400.00	\$400.00	0.00	4.00		\$1,800.00
22	6 Inch Cap and Thrust Block	1	EA	\$275.00	\$275.00	0.00	1.00		\$400.00
23	10 Inch Long Sleeve	2	EA	\$900.00	\$1,800.00	0.00	4.00		\$1,100.00
24	New Fire Hydrant Assembly	1	EA	\$4,200.00	\$4,200.00	0.00	0.00		\$0.00
25	Reconnect Fire Hydrant	3	EA	\$3,500.00	\$10,500.00	0.00	3.00		\$12,600.00
26	1 Inch Lateral Connection	20	EA	\$750.00	\$15,000.00	0.00	2.00		\$7,000.00
27	Import Backfill (100%)	730	TON	\$18.00	\$13,140.00	0.00	20.00		\$15,000.00
28	2 inch Stabilization Rock	73	TON	\$25.00	\$1,825.00	0.00	1983.41		\$15,000.00
29	Class A Road Repair	19424	SF	\$3.00	\$58,272.00	0.00	\$35,701.38		\$35,701.38
Alternate 1:									
1	8 Inch PVC C-900 Water Pipe	40.00	LF	\$25.00	\$1,000.00	60.00	60.00	\$1,500.00	\$1,500.00
2	8 Inch Gate Valve	1.00	EA	\$1,500.00	\$1,500.00	1.00	1.00	\$1,500.00	\$1,500.00
3	8 x 6 Inch Reducer	1.00	EA	\$350.00	\$350.00	1.00	1.00	\$350.00	\$350.00
4	6 Inch Hot Tap	1.00	EA	\$500.00	\$500.00	1.00	1.00	\$500.00	\$500.00
5	1 Inch Lateral Water Pipe (Trenchless)	170.00	LF	\$15.00	\$2,550.00	0.00	0.00		\$0.00
6	1 Inch Lateral Connection	5.00	EA	\$800.00	\$4,000.00	5.00	5.00	\$4,000.00	\$4,000.00
7	Import Backfill (100%)	49.00	TON	\$22.00	\$1,078.00	84.36	84.36	\$1,855.92	\$1,855.92
8	2 inch Stabilization Rock	4.00	TON	\$30.00	\$120.00	0.00	0.00		\$0.00
9	Class A Road Repair	2040.00	SF	\$4.00	\$8,160.00	3558.89	3558.89	\$14,235.56	\$14,235.56
Alternate 2:									
1	1 Inch Lateral Water Pipe (Open Trench)	0.00	LF	\$15.00	\$0.00	166.00	759.00	\$2,490.00	\$11,385.00
Stockpile Payment									
				\$59,985.08		0.00	0.00		\$0.00

Change Order #1	1 LS	\$4,616.60	\$279,383.50	\$27,331.48	\$345,629.36
Change Order #2	1 LS	\$86,107.94		\$0.00	\$4,616.60
Change Order #3	1 LS	\$3,000.00		\$3,000.00	\$27,935.56
Change Order #4	1 LS	\$9,764.80		\$1,691.32	\$3,000.00

Total

\$382,872.84	TOTAL	\$32,022.80	\$382,872.84
AMOUNT RETAINED		\$0.00	\$0.00
RETAINAGE RELEASED		\$17,542.50	
PREVIOUS RETAINAGE			\$17,542.50
PREVIOUS PAYMENTS			\$333,307.54
AMOUNT DUE		\$49,565.30	\$49,565.30



**DOCUMENT 00990****CONTRACT CHANGE ORDER**

Project: Pleasant Grove City 500 East Storm Drain Improvements  
Location: Pleasant Grove City  
Change Order No.: 1

Date: June 5, 2014

To: S&L Inc.

You are hereby requested to comply with the following changes from the contract plans and specifications:

This change order covers moving the storm drain line closer to the centerline of the roadway to miss the alignment of an unknown phone cable. This resulted in redesigning the type of storm drain boxes used, using man holes and inlet boxes instead of combination boxes; adding 15" RCP between the boxes; adjusting the rim elevations; and exploratory work of the existing phone line prior to the re-design.

This change order also lists the bid item over runs and underruns on the project for final closeout.

Item No.	Description of Changes, Quantities, Units, Unit Prices, Change in Completion Schedule, etc.	Decrease In Contract Price	Increase In Contract Price
1	Exploratory potholing of phone line to determine impact to the design alignment. 5 hours @ \$150.00 per hour is \$750.00, plus 10% P&O equals \$825.00.		\$825.00
2	10' deep Storm Drain Manhole, 2 each @ \$2,234.61 is \$4,469.22, plus 10% P&O equals \$4,916.14.		\$4,916.14
3	Curb Inlet Box, 2 each @ \$1,251.59 is \$2,503.19, plus 10% P&O equals \$2,753.51.		\$2,753.51
4	15" RCP installed, total measured length of 19.0' @ \$60.00 per foot is \$1,140.00, plus 10% P&O equals \$1,254.00.		\$1,254.00
5	Saw cut manhole to match proper grade, 1 lump sum of \$300.00, plus 10% P&O equals \$330.00.		\$330.00
			(Sub-total of \$10,078.65)
	ADJUSTMENT OF CONTRACT QUANTITIES:		
6	Underrun of Item #2, 30" RCP by 7' @ \$79.79 per foot equals \$558.53.	\$558.53	
7	Underrun of Item #3, 24" PVC by 8' @ \$69.58 per foot equals \$556.64.	\$556.64	
8	Item #4, Combo Inlet Box, was not used due to re-design of the system. 2 each @ \$887.76 equals \$1,775.52.	\$1,775.52	

9	Item #8, Import Backfill, was not used. Existing material met backfill specification. 271 Ton @ \$14.43 per ton equals \$3,910.53.	\$3,910.53	
10	Item #9, 2" Stabilization Rock, was not used. Existing trench material did not need stabilization. 27 Ton @ \$19.75 per ton equals \$533.25.	\$533.25	
11	Over run of Item #10, Class A Road Repair. City decided to replace deteriorating asphalt near the trench alignment to make a better roadway for the public. Over run of 4,651.5 SY @ \$4.04 per SY equals \$18,792.06.		\$18,792.06
	Change in contract price due to this Change Order:		
	Total Decrease	\$7,334.47	
	Total Increase		\$28,870.71
	Net increase		\$21,536.24

The sum of \$ 21,536.24 is hereby added to the total contract price and the total adjusted contract price to date thereby is \$125,912.98.

The time provided for completion in the contract is unchanged. This Document shall become an amendment to the contract & all provisions of the contract will apply hereto.

Accepted by:

Contractor

Date

Recommended by:

Resident Engineer

Date

Approved by:

Owner

Date

PROPOSED CHANGE ORDER



**S&L Incorporated**  
**935 West Center Street**  
**London, Utah 84042**  
**Phone: (801) 785-8458**  
**Fax: (801) 785-8453**

PROPOSAL NO.: 1  
SUBMITTAL DATE: 5/27/2014

**S&L JOB NO.: 353**

OWNER PROJECT NO.:

OWNER CHANGE ORDER NO.: \_\_\_\_\_

INITIAL	DATE
sm	5/27/2014

**S&L APPROVAL:**

<b>TO:</b>	Pleasant Grove City / Horrocks Engineering
<b>PROJECT:</b>	500 E Storm Drain
<b>DATE:</b>	5/27/2014
<b>ATTN:</b>	Scott Olson
<b>EMAIL:</b>	scotto@horrocks.com
<b>PHONE:</b>	

Phase/Task	Category	Amount

### Adjust Alignment of Pipe to Avoid Communication Lines

Move SD Line toward center line between existing phone and sewer\

PAY ITEM	DESCRIPTION	UNITS	QTY	MATERIAL	LABOR	EQUIPMENT	UNIT PRICE	AMOUNT
1	Additional Asphalt Repair per item #10 (REMOVED)	SF	0	\$0.00	\$4.04	\$0.00	\$4.04	\$0.00
2	Credit Combo Inlet Box per item #4	Ea	2	(\$887.76)	\$0.00	\$0.00	(\$887.76)	(\$1,775.52)
3	15" RCP Pipe extensions to Curb Box	LF	32	\$60.00	\$0.00	\$0.00	\$60.00	\$1,920.00
4	Additional Trench Import per item #8 (REMOVED)	Tons	0	\$14.43	\$0.00	\$0.00	\$14.43	\$0.00
5	Add Curb Inlet Box	Ea	2	\$851.59	\$400.00	\$0.00	\$1,251.59	\$2,503.19
6	Add 4'x10' SD Manhole	Ea	2	\$1,834.61	\$400.00	\$0.00	\$2,234.61	\$4,469.23
7								
8	Exploritory Pot Holing of Existing Utility	Hr	5	\$0.00	\$150.00	\$0.00	\$150.00	\$750.00
9								
							SUB-TOTAL:	\$7,866.90
							P&O 10%:	\$786.69
							TOTAL:	\$8,653.59

PROPOSED CHANGE ORDER



**S&L Incorporated**  
935 West Center Street  
Lindon, Utah 84042  
Phone: (801) 785-8458  
Fax: (801) 785-8453

PROPOSAL NO.: 1

SUBMITTAL DATE: 5/27/2014

S&L JOB NO.: 353

OWNER PROJECT NO.:

OWNER CHANGE ORDER NO.:

<b>TO:</b>	Pleasant Grove City / Horrocks Engineering
<b>PROJECT:</b>	500 E Storm Drain
<b>DATE:</b>	5/27/2014
<b>ATTN:</b>	Scott Olson
<b>EMAIL:</b>	scotto@horrocks.com
<b>PHONE:</b>	

**S&L APPROVAL:**

INITIAL	DATE
sm	5/27/2014

Phase/Task	Category	Amount

MODIFICATION OF SD MH#1 TO MATCH EXISTING FG  
REMOVED 12" FROM TOP OF NEW 60" MH

PAY ITEM	DESCRIPTION	UNITS	QTY	MATERIAL	LABOR	EQUIPMENT	UNIT PRICE	AMOUNT
1	WALL SAW CUTTING - 12" OFF 60" M/H	EA	1		\$300.00		\$300.00	\$300.00
2							\$0.00	\$0.00
3							\$0.00	\$0.00
4							\$0.00	\$0.00
5							\$0.00	\$0.00
6							\$0.00	\$0.00
7							\$0.00	\$0.00
8							\$0.00	\$0.00
9							\$0.00	\$0.00
							\$0.00	\$0.00
							<b>SUB-TOTAL:</b>	<b>\$300.00</b>
							<b>P&amp;O 10%:</b>	<b>\$30.00</b>
							<b>TOTAL:</b>	<b>\$330.00</b>

**FINAL PAYMENT ESTIMATE  
NO. 1**

Name of Contractor: <i>S&amp;L Inc.</i>		
Name of Owner: <i>Pleasant Grove City</i>		
Date of Completion:	Amount of Contract:	Dates of Estimate:
Original: 15-May-14	Original: \$104,376.74	From: 15-Mar-14
Revised: 15-May-14	Revised: \$125,912.98	To: 5-Jun-14
Description of Job: <i>500 East Storm Drain</i>		
Amount	This Period	Total To Date
Amount Earned	\$125,912.98	\$125,912.98
Retainage Being Held	\$0.00	\$0.00
Retainage Being Released	\$0.00	\$0.00
Previous Payments		\$0.00
Amount Due	\$125,912.98	\$125,912.98

Contractor's Construction Progress is COMPLETE

I hereby certify that I have carefully inspected the work and as a result of my inspection and to the best of my knowledge and belief, the quantities shown in this estimate are correct and have not been shown on previous estimates and the work has been performed in accordance with the Contract Documents.

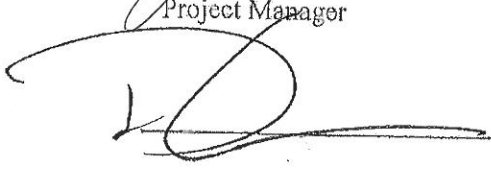
Recommended by Horrocks Engineers

Date: 6/5/2014

  
John E. Schless, P.E.  
Project Manager

Accepted by: *S&L Inc.*

Date: 7/23/14

  
Project Manager

Approved By: *Pleasant Grove City*

Date: \_\_\_\_\_

*Mike Daniels*  
Mayor

Budget Code \_\_\_\_\_ Staff Initial \_\_\_\_\_

ITEM NO.	NATURE OF WORK	CONTRACT ITEMS				QUANTITY		EARNINGS	
		Qty	Units	Unit Price	Bid Amt.	This Month	To Date	This Month	To Date
1	Mobilization	1	LS	\$21,664.59	\$21,664.59	1.00	1.00	\$21,664.59	\$21,664.59
2	30 Inch RCP Class III	513	LF	\$79.79	\$40,932.27	506.00	506.00	\$40,373.74	\$40,373.74
3	24 Inch PVC SDR 35	31	LF	\$69.58	\$2,156.98	23.00	23.00	\$1,600.34	\$1,600.34
4	Combo Inlet Box	2	EA	\$887.76	\$1,775.52	0.00	0.00		\$0.00
5	Diversion Structure	1	EA	\$12,613.14	\$12,613.14	1.00	1.00	\$12,613.14	\$12,613.14
6	Loop Pressurized Sewer Lateral	2	EA	\$302.70	\$605.40	2.00	2.00	\$605.40	\$605.40
7	Box Culvert Connection	1	LS	\$1,924.26	\$1,924.26	1.00	1.00	\$1,924.26	\$1,924.26
8	Import Backfill (100%)	271	CY	\$14.43	\$3,910.53	0.00	0.00		\$0.00
9	2 inch Stabilization Rock	27	CY	\$19.75	\$533.25	0.00	0.00		\$0.00
10	Class A Road Repair	4520	SF	\$4.04	\$18,260.80	9171.50	9171.50	\$37,052.86	\$37,052.86
	Change Order #1	1	LS	\$21,536.24	\$21,536.24	1.00	1.00	\$10,078.65	\$10,078.65
Subtotal		\$125,912.98						\$125,912.98	\$125,912.98

Total \$125,912.98

TOTAL	\$125,912.98	\$125,912.98
AMOUNT RETAINED	\$0.00	\$0.00
RETAINAGE RELEASED		
PREVIOUS RETAINAGE		\$0.00
PREVIOUS PAYMENTS		\$0.00
<b>AMOUNT DUE</b>	<b>\$125,912.98</b>	<b>\$125,912.98</b>

To(OWNER): Pleasant Grove City  
70 South 100 East  
Pleasant Grove, UT 84062

From: S&L INCORPORATED  
935 W CENTER STREET  
Lindon, UT 84042  
(801) 785-8456

Project: PG Storm Drain Improvements  
500E  
Pleasant Grove, UT 84062

Via(Architect/  
Engineer)

Application No: 1  
Invoice No: 237  
Invoice Date: 5/28/2014  
Terms: Net 30  
Due Date: 6/27/2014  
Period To: 5/30/2014  
Project No:  
Contract Date:

For:

Original Contract sum.....	104,376.74
Change Orders.....	8,983.59
Contract sum.....	113,360.33
Completed to date.....	127,086.21
Retainage.....	0.00
Total earned less retainage.....	127,086.21
Previous billings.....	0.00
Current payment due.....	127,086.21
Sales tax.....	0.00
Total due.....	127,086.21



To(OWNER): Pleasant Grove City  
70 South 100 East  
Pleasant Grove, UT 84062

From: S&L INCORPORATED  
935 W CENTER STREET  
Lindon, UT 84042  
(801) 785-8456

Via(Architect/  
Engineer)

Project: PG Storm Drain Improvements  
500E  
Pleasant Grove, UT 84062

Application No: 1

Invoice No: 237

Invoice Date: 5/28/2014

Terms: Net 30

Due Date: 6/27/2014

Period To: 5/30/2014

Project No:

Contract Date:

For:

No.	Description	Total Quantity	Unit Cost	Total Cost	Completed Units	Current Value	Prior Value	Due This Request
1	Mobilization	1 LS	21,664.59	21,664.59	1	21,664.59	0.00	21,664.59
2	30" RCP	513 LF	79.79	40,932.27	513	40,932.27	0.00	40,932.27
3	24" PVC	31 LF	69.58	2,156.98	24	1,669.92	0.00	1,669.92
4	Combo Inlet Box	2 Ea	887.76	1,775.52	2	1,775.52	0.00	1,775.52
5	Diversion Structure	1 LS	12,613.14	12,613.14	1	12,613.14	0.00	12,613.14
6	Loop Pressurized Sewer Lateral	2 EA	302.70	605.40	2	605.40	0.00	605.40
7	Box Culvert Connection	1 LS	1,924.26	1,924.26	1	1,924.26	0.00	1,924.26
8	Import backfill	271 Ton	14.43	3,910.53	0	0.00	0.00	0.00
9	2" Stabilization Rock	27 Ton	19.75	533.25	0	0.00	0.00	0.00
10	Class A Road Repair	4,520 SF	4.04	18,260.80	9,138	36,917.52	0.00	36,917.52
11	Relocate Alignment	1 LS	8,653.59	8,653.59	1	8,653.59	0.00	8,653.59
12	MH Sawcut	1 LS	330.00	330.00	1	330.00	0.00	330.00
				<u>113,360.33</u>		<u>127,086.21</u>	<u>0.00</u>	<u>127,086.21</u>

## **RESOLUTION NO. 2014-031**

### **A RESOLUTION OF THE GOVERNING BODY OF PLEASANT GROVE CITY AUTHORIZING THE MAYOR TO SIGN AN INTERLOCAL AGREEMENT WITH ALPINE SCHOOL DISTRICT FOR THE COOPERATIVE USE AND MANAGEMENT OF BATTLE CREEK PARK.**

**WHEREAS**, Pleasant Grove City is a municipal corporation, organized under the laws of the state of Utah; and

**WHEREAS**, the Utah Interlocal Co-Operation Act, Title 11, Chapter 13, Utah Code Annotated (1953, as amended)(the “Act”), permits local governmental units including cities and political subdivisions of the State of Utah to make the most efficient use of their powers by enabling them to cooperate with other public agencies on the basis of mutual advantage and are authorized to enter into written agreements with one another for joint or cooperative action; and

**WHEREAS**, the Parties to this Agreement are public agencies as defined in the Act; and

**WHEREAS**, the Parties are committed to promoting health and welfare and enhancing the quality of life for their citizens and the students of the Alpine School District, including the construction, operation and maintenance of tennis courts and park facilities adjacent to Pleasant Grove High School; and

**WHEREAS**, such Agreement will avoid duplication of services and provide for the common general health, safety and welfare of the parties’ respective citizens and students; and

**WHEREAS**, the City has historically operated certain real property as a public park known as “Battle Creek Park”; and

**WHEREAS**, said park lies adjacent to Pleasant Grove High School, a school located within the boundaries of the Alpine School District; and

**WHEREAS**, said park included tennis courts that have fallen into disrepair; and

**WHEREAS**, The District has approved a large construction project at Pleasant Grove High School which necessitates demolishing their existing tennis courts; and

**WHEREAS**, The District has agreed to reconstruct the tennis courts and allow City and public use of said courts when not in use by Buyer; and

**WHEREAS**, The District has agreed to continue to maintain the remainder of the public facilities on the property and leave them open to public use; and

**WHEREAS**, City and District desire to cooperate regarding the ongoing use and maintenance of the property; and

**NOW THEREFORE, BE IT RESOLVED** by the City Council of Pleasant Grove, Utah as follows:

**SECTION 1.**

The Mayor is hereby authorized to sign the INTERLOCAL AGREEMENT which is attached hereto as Exhibit "A."

**SECTION 2.**

The provisions of this Resolution shall take effect immediately.

**PASSED AND ADOPTED BY THE CITY COUNCIL OF PLEASANT GROVE, UTAH**, this 5<sup>th</sup> day of August, 2014.

---

Mayor Michael W. Daniels

**ATTEST:**

(SEAL)

---

Kathy T. Kresser, CMC  
City Recorder

**INTERLOCAL COOPERATIVE AGREEMENT  
PLEASANT GROVE CITY AND ALPINE SCHOOL DISTRICT  
BATTLE CREEK PARK PROJECT**

This Interlocal Cooperative Agreement is entered into by PLEASANT GROVE CITY (“City”) and ALPINE SCHOOL DISTRICT (“ASD”), both of whom are located in Utah County, State of Utah (collectively referred to herein as the “Parties”), each of whom is a political subdivision of the State of Utah, as of this \_\_\_\_ day of August, 2014, for the purpose of establishing the terms under which a cooperative effort to reconstruct the tennis courts and parking areas of Battle Creek Park and improve the park area generally for the use of the Parties and their respective constituents shall be accomplished. This Agreement shall govern the ongoing use of the facilities as well in order to more efficiently provide recreational facilities, services and improvements for their citizenry.

**RECITALS**

**WHEREAS**, the Utah Interlocal Co-Operation Act, Title 11, Chapter 13, Utah Code Annotated (1953, as amended)(the “Act”), permits local governmental units including cities and political subdivisions of the State of Utah to make the most efficient use of their powers by enabling them to cooperate with other public agencies on the basis of mutual advantage and are authorized to enter into written agreements with one another for joint or cooperative action; and

**WHEREAS**, the Parties to this Agreement are public agencies as defined in the Act; and

**WHEREAS**, the Parties are committed to promoting health and welfare and enhancing the quality of life for their citizens and the students of the Alpine School District, including the construction, operation and maintenance of tennis courts and park facilities adjacent to Pleasant Grove High School; and

**WHEREAS**, such Agreement will avoid duplication of services and provide for the common general health, safety and welfare of the parties’ respective citizens and students; and

**WHEREAS**, the City has historically operated certain real property as a public park known as “Battle Creek Park”; and

**WHEREAS**, said park lies adjacent to Pleasant Grove High School, a school located within the boundaries of the Alpine School District; and

**WHEREAS**, said park included tennis courts that have fallen into disrepair; and

**WHEREAS**, The District has approved a large construction project at Pleasant Grove High School which necessitates demolishing their existing tennis courts; and

**WHEREAS,** The District has agreed to reconstruct the tennis courts and allow City and public use of said courts when not in use by Buyer; and

**WHEREAS,** The District has agreed to continue to maintain the remainder of the public facilities on the property and leave them open to public use; and

**WHEREAS,** City and District desire to cooperate regarding the ongoing use and maintenance of the property; and

**NOW THEREFORE,** The Parties hereby express their commitments and agree as follows:

## **ARTICLE I**

### **DEFINITIONS AND INTERPRETATIONS**

**Section 1.1 Meanings and Constructions.** The terms defined in this section, for all purposes of this Interlocal Agreement and any amendments hereto, shall have the meanings set forth herein:

- (a) “Act” shall mean the Interlocal Co-operation Act, title 11, Chapter 13, Utah code Annotated (1953, as amended).
- (b) “Interlocal Cooperative Agreement” or “this Agreement” shall mean this Interlocal Cooperative Agreement and any amendments and supplements hereto.

**Section 1.2 Interpretations.** This Agreement, except where the context by clear implication herein otherwise requires, shall be constructed as follows:

- (a) Definitions include both singular and plural;
- (b) Pronouns include both singular and plural and cover both genders; and
- (c) The captions or heading of this Agreement are for convenience only and in no way define, limit or describe the scope or intent of any provision, article, or section of this Agreement.

## **ARTICLE II**

### **TERMS**

#### **Section 2.1 Acquisition of Property.**

- (a) Property Sale. City shall sell and District shall purchase approximately 4.5 acres of property located in the Battle Creek Park for \$413,279.00.
- (b) Softball Diamond. City shall transfer ownership of the existing softball diamond by quit claim deed to the District in consideration for executing a prior Participation Agreement regarding an economic development project which involved a CDA and a commitment from the District to allow a portion of the property tax revenues to be allocated to the CDA.
- (c) Remaining Parcels. City shall transfer to the District two remaining parcels which should have been transferred at the conclusion of the Recreation Center Project.
- (d) Parcels to City. The District shall transfer to City the certain small parcels of real property that have been previously agreed upon in order to clean up property lines, etc.

- (e) Description of Parcels. All of the parcels addressed in this section are shown on Exhibit “A” and are more fully described therein.

### ARTICLE III

#### ONGOING USE AND MAINTENANCE OF PARK AND ITS FACILITIES, INCLUDING TENNIS COURTS

**Section 3.1 Use Agreement.** The Parties have agreed to the following regarding common use of the Battle Creek Park.

- (a) **Tot Lot**. Alpine School District will be responsible to relocate the playground equipment (aka “tot lot”) to a location south of the pavilion shown as #1 on Exhibit “A” which is attached hereto and incorporated herein by reference.
- (b) **Restroom Facilities**. ASD agrees to plan for refurbishment and upgrades to the existing restroom facilities within ten (10) years. ASD agrees that the project will be included in their ten (10) year Capital Facilities Plan and be completed when funds become available. Said improvements to include, but are not limited to: replacing all interior fixtures, i.e. new toilets, sinks, and urinals; Epoxy the concrete floors.
- (c) **Park maintenance**. ASD agrees to be responsible to maintain the park, restroom facilities, and pavilion including mowing and custodial duties. ASD agrees to provide a key to the restroom facilities to Pleasant Grove City.
- (d) **Pavilion Scheduling**. Pleasant Grove City agrees to be responsible to schedule use of the pavilion. Said schedule shall be maintained and shared with ASD/Pleasant Grove High School in order to coordinate use and eliminate scheduling conflicts. Pleasant Grove City agrees to be responsible to clean and prepare both the pavilion and the restroom facilities in conjunction with any rental events. Pleasant Grove City will be entitled to keep any rental fees collected. Pavilion use and rental shall be subject to Pleasant Grove City Policies regarding facility rentals. City agrees to provide ASD with the rental schedule and contact information for coordination purposes. This provision shall be reviewed by the respective staff after one (1) year and annually thereafter to monitor the efficacy of the program.
- (e) **Water Lines**. ASD agrees to move the necessary water lines as shown on Exhibit “B.”
- (f) **Signs and Markers**. Pleasant Grove City will be responsible for moving and relocating any signs or markers that currently exist in the Park that will be disturbed by the ASD construction. ASD agrees to allow Pleasant Grove City to install the Battle Creek Park monument sign on ASD property at the entrance to the park at the conclusion of the construction project. ASD further agrees that the historical monument sign commemorating the Indian battle at Battle Creek may be located on green space in the general area as shown as #3 on Exhibit A. Any monuments, signs, or markers that are not impacted by the construction may remain in place.
- (g) **Priority**. Priority of use for all of the park facilities, including the tennis courts shall be: ASD scheduled events have first priority, Pleasant Grove City scheduled events and recreation programs shall have second priority, and the public shall have third priority. Said facilities shall be used free of charge, except the rental of the pavilion.

- (h) **Pathways and Walkways.** ASD agrees to maintain open access with pathways or walkways from the Pleasant Grove City Recreation Center to the tennis courts.
- (i) **Public Use.** ASD agrees to allow public use of the tennis courts, tot-lot, restrooms, the pavilion, parking, and detention (green space) area when not in use for ASD's scheduled events.
- (j) **Tennis Court Scheduling.** ASD shall have exclusive use of the tennis courts during school hours and for any regularly scheduled practices for the Pleasant Grove High School tennis team and for any Alpine School District sponsored tournaments. Practices and tournaments receiving priority shall be those that are calendared on the annual Alpine School District Master Calendar.
- (k) **Softball Field.** ASD agrees to allow Pleasant Grove City to use the existing softball field(s) that are being transferred to ASD ownership until the new City fields are constructed and operable.
- (l) **Tree Removal.** ASD needs to remove trees located on the east boundary line of the subject property. The trees have roots that currently interfere with the City sewer main that is located along that same boundary line. City agrees to be present when ASD removes the trees and works either near or on the adjacent sewer line. ASD agrees to give City reasonable advance notice of their work schedule. City agrees to be responsible for any repairs to the sewer line necessitated by the removal of the tree roots.
- (m) **Tree Replacement.** ASD agrees to plant at least forty (40) new trees on the property.
- (n) **Parking.** The construction project will add twenty (20) new parking spaces to the existing forty-nine (49). Citizens have requested that the City ensure adequate parking for public uses during school hours. ASD agrees to install signage restricting six (6) parking spaces as two (2) hour parking only. Five (5) regular spaces and one (1) ADA accessible space adjacent to the park area will be restricted in said manner.
- (o) **Master Use Agreement.** The Parties agree to negotiate a Master Use Agreement for all facilities that are utilized by both entities to work out the details of an annual scheduling conference; priority of use; maintenance, parking, and fees.

## **ARTICLE IV.**

### **MISCELLANEOUS MATTERS**

**Section 4.1 No Third Party Beneficiary.** Nothing in this Agreement shall be deemed or considered to create any obligation in favor of or rights in any person or entity not a party to this Agreement. No person or entity is an intended third party beneficiary of this Agreement. Any obligation of the Agency to make any payments to a developer, business or any person or entity is to be set forth in written agreements between the Agency and the person or entity, in accordance with terms and requirements satisfactory to the Agency.

**Section 4.2 Due Diligence.** Each of the Parties acknowledges for itself that it has performed its own review, investigation and due diligence regarding the relevant facts concerning the Project Area and Plan and the expected benefits to the community and to the



Parties, and each of the Parties relies on its own understanding of the relevant facts and information, after having completed its own due diligence and investigation.

**Section 4.3 Interlocal Cooperation Act.** In satisfaction of the requirements of the Cooperation Act in connection with this Agreement, the Parties agree as follows:

(a) This Agreement shall be authorized by a resolution of the legislative body of each Party pursuant to and in accordance with the provisions of Section 11-13-202.5 of the Cooperation Act;

(b) This Agreement shall be reviewed as to proper form and compliance with applicable law by a duly authorized attorney on behalf of each Party pursuant to and in accordance with the Section 11-13-202.5 of the Cooperation Act;

(c) A duly executed original counterpart of this Agreement shall be filed immediately with the keeper of records of each Party pursuant to Section 11-13-209 of the Cooperation Act.

(d) This Agreement does not create a separate entity.

**Section 4.4 Modification.** A modification of, or amendment to, any provision contained in this Agreement shall be effective only if the modification or amendment is in writing and signed by the Parties. Any oral representation or modification concerning this Agreement shall be of no force or effect.

**Section 4.5 Governing Law.** This Agreement shall be governed by, and construed and interpreted in accordance with, the laws of the State of Utah.

**Section 4.6 Further Assurances.** The Parties agree to execute such additional documents and take further actions as may become necessary or desirable to fully carry out each of the provisions and the intent of this agreement including adjustment of any provision of this Agreement if, and to the extent necessary, to bring it into compliance with all applicable governmental requirements without diminishing the rights and authority granted to Agency under this agreement.

**Section 4.7 Severability.** Whenever possible, each provision of this Agreement and every related document shall be interpreted in such a manner as to be consistent and valid under applicable law; but if any provision of any of the foregoing shall be invalid or prohibited under applicable law, such provision shall be ineffective to the extent of such invalidity or prohibition, without invalidating the remainder of such provisions or the remaining provisions of this Agreement or said documents.

**Section 4.8 Entire Agreement.** This Agreement, together with the exhibits attached hereto, constitutes the entire agreement between the Parties and supersedes and cancels all prior agreements between the Parties with respect to the subject matter hereof.

ENTERED into as of the day and year first above written.

PLEASANT GROVE CITY

By: \_\_\_\_\_  
Michael W. Daniels, Mayor

ATTEST:

By: \_\_\_\_\_  
Kathy T. Kresser, City Recorder

ALPINE SCHOOL DISTRICT

By: \_\_\_\_\_  
Its: \_\_\_\_\_



## **RESOLUTION NO. 2014-032**

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A PROCUREMENT CONTRACT AND NOTICE OF AWARD TO CANYON INDUSTRIES, INC. FOR THE BATTLE CREEK MICROHYDRO POWER GENERATION PROJECT SERVICE AGREEMENT AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, Pleasant Grove City is a political subdivision of the State of Utah (the “State”) and is duly organized and existing pursuant to the Constitution and laws of the State; and

**WHEREAS**, the City has proposed a project which will produce electrical power from the water flows out of Battle Creek Canyon; and

**WHEREAS**, the City finds it necessary to acquire professional services to develop said project; and

**WHEREAS**, Canyon Hydro is the leading provider of small microhydro power generation systems in the Western United States; and

**WHEREAS**, after review and upon recommendation from Water Works Engineers, the city council finds that Canyon Hydro, Inc. is the service provider that can provide the requested services in a cost-effective manner; and

**WHEREAS**, the City finds that Canyon Hydro, Inc. has met the criteria to provide services; and

**WHEREAS**, the notice of Award for the project is in the amount of ONE HUNDRED AND NINETY EIGHT THOUSAND FIVE HUNDRED DOLLARS (\$198,005.00); and

**WHEREAS**, the City Council finds it to be in the best interests of the citizens of Pleasant Grove City to award the contract and enter into a Procurement Contract with Canyon Hydro, Inc., to provide said services; and

**WHEREAS**, the Council finds that the Contract comports with state law and adequately addresses the City’s needs for services at this time; and

**WHEREAS**, on August 5, 2014, the Municipal Council held a duly noticed public meeting wherein they considered the facts regarding this matter; and

**WHEREAS**, after considering the facts and comments presented to the Municipal Council, the Council finds the Agreement attached hereto as Exhibit “A” reasonably furthers the health, safety, and general welfare of the citizens of Pleasant Grove City.

**NOW, THEREFORE**, be it resolved by the Pleasant Grove City Council as follows:

**SECTION 1**

1. The Mayor of Pleasant Grove City is hereby authorized to sign the “Notice of Award and Procurement Contract” with Canyon Hydro, Inc., for the delivery of a fully operational microhydro generation system in Battle Creek Canyon .
2. This resolution is effective immediately.

**SECTION 2**

**THIS RESOLUTION APPROVED AND ADOPTED** this 5<sup>th</sup> day of August, 2014 by the City Council of Pleasant Grove City, Utah.

---

Michael W. Daniels, Mayor

ATTEST:

(SEAL)

---

Kathy T. Kresser, CMC  
City Recorder

**Notice of Award**

Date: July 29, 2014

TO: Canyon Industries, Inc.

(Proposer)

Address: 5500 Blue Heron Lane, Deming, WA 98244

Project: Battle Creek Microhydro Power Generation Project

Project No. 10-011

You are hereby notified that your Proposal dated June 5, 2014 for the above Contract has been considered. You are the Successful Proposer and have been selected for the above-named project.

The Proposal Price of your Contract is One Hundred Ninety Eight Thousand Five Dollars (\$198,005.00).

Three (3) copies of the Procurement Contract Documents accompany this Notice of Award.

You must comply with the following conditions precedent within fifteen (15) days of the date you receive this Notice of Award.

1. Deliver to the Owner three (3) fully executed Procurement Contract Documents.
2. Deliver with the executed Procurement Contract Documents the required bonds and insurance as specified in the Instructions to Bidders, and General Conditions.
3. To comply with the insurance requirements, the following statement must appear on each of the insurance certificates:  
    "Pleasant Grove City, its officials, employees, agents, ENGINEER and Consultants are named as additional Insured as regards OWNER Project No. 10-011."
4. You must deliver a preliminary schedule as specified in the Instructions to Proposers.

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Proposal security forfeited.

Within ten days after you comply with the above conditions, Owner will return to you one fully executed counterpart of the Procurement Contract Documents.

**PLEASANT GROVE CITY**

By: Michael W. Daniels

Authorized Signature

Mayor

Title

Copy to Engineer

00510-1

Pleasant Grove City  
Battle Creek Microhydro Power Generation Project  
10-011

July 2014

Procurement Documents

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## AGREEMENT FORM

THIS AGREEMENT is by and between Pleasant Grove City (“Owner”) and  
Canyon Industries, Inc (“Proposer”).

Owner and Proposer hereby agree as follows:

### ARTICLE 1 – WORK

- 1.01 Proposer shall provide all Goods and Services as specified or indicated in the Procurement Documents based on the acceptance by OWNER of Proposers Proposal.

### ARTICLE 2 – THE PROJECT

- 2.01 The Goods to be furnished are generally described as follows. A complete and fully functional Micro-Hydro Power Generation System, including Turbine, Generator, and Controls/Switchgear, with all necessary appurtenances and ancillary equipment to create a complete and functional system.
- 2.02 The following services required are generally described as follows: Engineering, Startup assistance and field testing, operator training, as described within these documents.
- 2.03 The place where goods are to be delivered (Point of Delivery) is designated as the Pleasant Grove City Battle Creek Water Tank Site, at approximately 2100 East Battle Creek Dr. (200 S.), Pleasant Grove, Utah 84062.

### ARTICLE 3 – ENGINEER

- 3.01 The Project is being designed by Water Works Engineers (Engineer), which is to act as Owner’s representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

### ARTICLE 4 – CONTRACT TIMES

- 4.01 The agreed upon Goods and Services shall be provided within the times following issuance of Notice to Proceed as established by the following schedule:
- A. Delivery of Submittal Package (Design Drawings, Manufacturers Data, etc.): 30 days
  - B. Delivery of Preliminary Operation and Maintenance Manuals: 45 days
  - C. Delivery of Equipment to the Site: 120 days

00520-1

D. Delivery of Final Operation and Maintenance Manuals:

120 days

**4.02 Liquidated Damages**

- A. OWNER and Proposer recognize that time is of the essence and that Owner will potentially suffer financial loss if the Work is not completed within the times specified, plus any extensions thereof allowed in accordance with the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner \$100 for each day that expires after the time specified in Paragraph 4.01 above Equipment Delivery.

**ARTICLE 5 – CONTRACT PRICE**

- 5.01 Owner shall pay Proposer for providing Goods and Services in accordance with the Procurement Documents an amount in current funds equal to the sum of the amounts determined pursuant to Paragraphs 6.01 below:

- A. For all Work a lump sum of:

<u>One Hundred Ninety Eight Thousand Five</u> (Use words)	<u>\$ 198,005.00</u> (figure)
--------------------------------------------------------------	----------------------------------

**ARTICLE 6 – PAYMENT PROCEDURES****6.01 Submittal and Processing of Payments**

- A. Proposer shall submit Applications for Payment in accordance with the Progress Payment Schedule outlined herein. Applications for Payment will be processed by Engineer as provided in the General Conditions.

**6.02 Progress Payments; Retainage**

- A. Owner shall make progress payments on account of the Contract Price in accordance with the following schedule:

<u>Goods and Services Provided</u>	<u>Payment (Cumulative %)</u>
Receipt of Signed Agreement and Authorization to Proceed with Design	10
Submittal Package Approval	35
Notification Equipment is Ready to Ship	90
Receipt and acceptance of Operations and Maintenance Manuals and Completion of Start-up, Field Testing, Installation Check Training, etc., and Final Acceptance by OWNER).	100

00520-2

6.03 *Final Payment*

- A. Upon completion of installation and final acceptance by the OWNER of all Goods and Services of the Proposer, Owner shall pay the remainder of the Contract Price as recommended by Engineer.

**ARTICLE 7 – PROCUREMENT DOCUMENTS**

7.01 The Procurement Documents which comprise the entire Agreement between OWNER and Proposer consist of the Following:

1. This Agreement
  2. Notice to Proceed
  3. Bonds and Insurances
  4. General Conditions
  5. Supplementary Conditions
  6. Specifications as listed in the table of contents
  7. Project Requirements
  8. Addenda (numbers \_\_\_\_\_ to \_\_\_\_\_, inclusive).
  9. All documents amending, modifying, or supplementing the Procurement Documents which may be delivered or issued after the effective date of the Agreement and are attached hereto:
  10. Exhibits to this Agreement (enumerated as follows):
    - a. Proposers Proposal
  11. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
    - a. Work Change Directives.
    - b. Change Orders.
- B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).
  - C. There are no Contract Documents other than those listed above in this Article 9.

- D. The Contract Documents may only be amended, modified, or supplemented as provided in Paragraph 3.04 of the General Conditions.

## **ARTICLE 8 – ASSIGNMENT OF PROCUREMENT AGREEMENT**

- 8.01 This Agreement will be assigned by OWNER to Contractor, and supplier will accept such assignment, pursuant to the Procurement Documents. In the application of the terms and conditions of the Procurement Documents after said assignment, Proposer will function as a subcontractor to the Contractor, and all obligations of Proposer to OWNER will become obligations of Proposer to the Contractor. Notwithstanding this assignment, the guarantees and warranties specified in the Procurement Documents are intended for the benefit of OWNER and the Contractor, and may be enforced by either party.

## **ARTICLE 9 – MISCELLANEOUS**

### **9.01 *Terms***

- A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

### **9.02 *Assignment of Contract***

- A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

### **9.03 *Successors and Assigns***

- A. Owner and Proposer each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Procurement Documents.

### **9.04 *Severability***

- A. Any provision or part of the Procurement Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

DOCUMENT 00520

IN WITNESS WHEREOF, Owner and Proposer have signed this Agreement. Counterparts have been delivered to Owner and Proposer. All portions of the Procurement Documents have been signed or have been identified by Owner and Proposer or on their behalf.

This Agreement will be effective on \_\_\_\_\_ (which is the Effective Date of the Agreement).

OWNER:

PROPOSER

By: Michael W. Daniels

By: \_\_\_\_\_

Title: Mayor

Title: \_\_\_\_\_

(If Proposer is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: \_\_\_\_\_

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:

Address for giving notices:

License No.: \_\_\_\_\_

END OF DOCUMENT

00520-5

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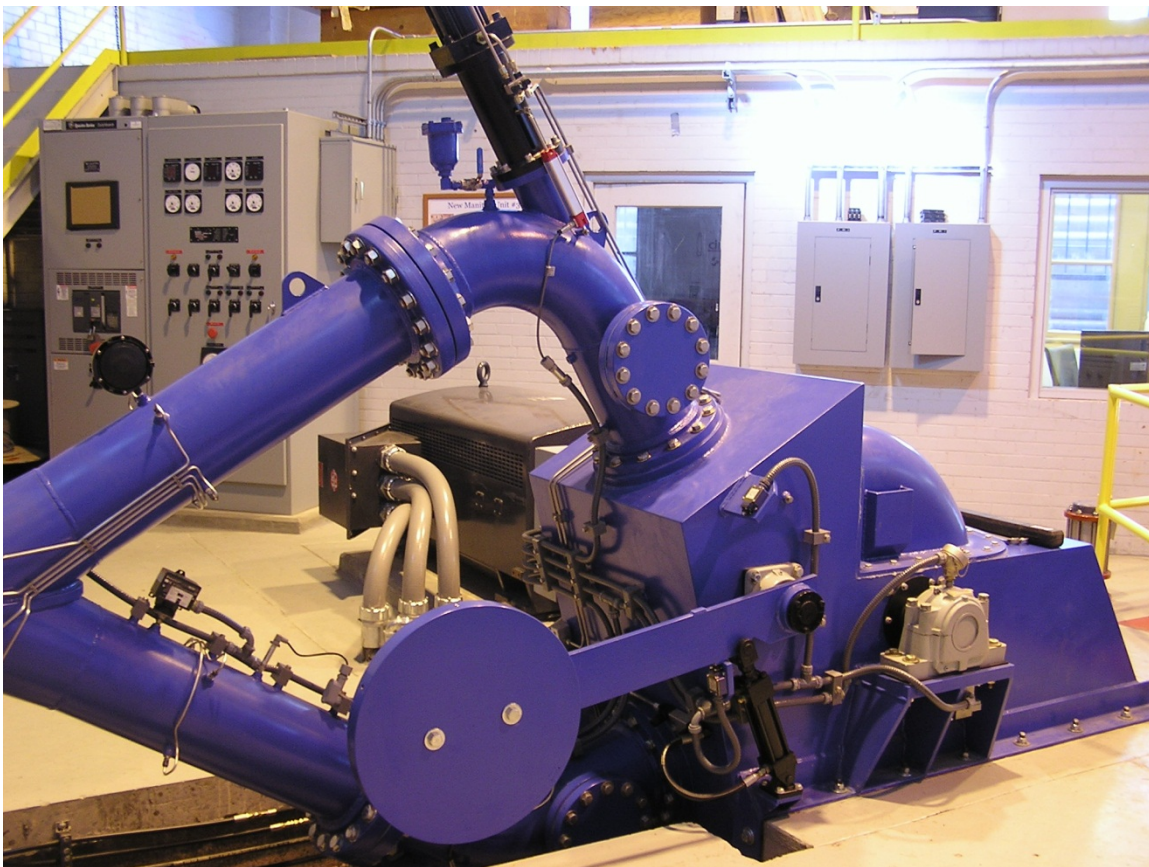
June 5, 2014

# Technical Proposal

## *Battle Creek Hydroelectric Project*

*Prepared for:*

**Pleasant Grove City  
C/O Water Works Engineers, LLC.  
233 South Pleasant Grove Blvd.  
Ste 103  
Pleasant Grove, UT 84062  
(801) 785-4105**



*500kW Canyon Hydro Pelton Turbine, Colorado Springs Utilities*

**Canyon Hydro Contact:**  
Brett Bauer, Vice President  
(360) 592-5552  
[brett.bauer@canyonhydro.com](mailto:brett.bauer@canyonhydro.com)

**PROPOSAL FORM**

**ARTICLE 1 – PROPOSAL RECIPIENT**

1.01 Project Identification: Pleasant Grove City  
Battle Creek Microhydro Power Generation Project

1.02 This Proposal is submitted to: Pleasant Grove City, Utah  
(C/O: Water Works Engineers)  
233 South Pleasant Grove Blvd  
Suite 103  
Pleasant Grove, Utah 84062

1.03 This PROPOSAL is Submitted By:

Canyon Industries, Inc.

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(SUPPLIER)

5500 Blue Heron Lane, Deming, WA 98244

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(SUPPLIER ADDRESS)

1.04 The undersigned Proposer agrees, if this Proposal is accepted, to enter into an Agreement with Owner in the form included in the Procurement Documents to perform and furnish all Goods and Services as specified or indicated in the Procurement Documents for the prices and within the times indicated in this Proposal and in accordance with the other terms and conditions of the Procurement Documents, including all applicable taxes, fees, shipping, and delivery costs.

**ARTICLE 2 – PROPOSER’S ACKNOWLEDGEMENTS**

2.01 Proposer accepts all of the terms and conditions of the Instructions to Proposers, including without limitation those dealing with the disposition of Proposal Security. This Proposal will remain subject to acceptance for 60 days after the Proposal opening, or for such longer period of time that Proposer may agree to in writing upon request of Owner.

00410-1



### ARTICLE 3 – PROPOSER’S REPRESENTATIONS

3.01 In submitting this Proposal, Proposer represents that:

- A. Proposer has examined and carefully studied the Procurement Documents, other related data identified in the Procurement Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.

Addendum Date

\_\_\_\_\_  
\_\_\_\_\_

- B. Proposer is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance and furnishing of the goods and services.
- C. Based on the information and observations referred to above, Proposer does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Proposal for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Procurement Documents.
- D. Proposer is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Procurement Documents.
- E. Proposer has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Proposer has discovered in the Procurement Documents, and the written resolution thereof by Engineer is acceptable to Proposer.
1. The Procurement Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Proposal is submitted.

### ARTICLE 4 – PROPOSER’S CERTIFICATION

4.01 Proposer certifies that:

- A. This Proposal is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Proposer has not directly or indirectly induced or solicited any other Proposer to submit a false or sham proposal;
- C. Proposer has not solicited or induced any individual or entity to refrain from proposing; and

00410-2

D. Proposer has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph:

1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the proposal process;
2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the proposal process to the detriment of Owner, (b) to establish proposal prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. “collusive practice” means a scheme or arrangement between two or more Proposer, with or without the knowledge of Owner, a purpose of which is to establish proposal prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the proposal process or affect the execution of the Contract.

## ARTICLE 5 – BASIS OF PROPOSAL

5.01 Proposer will supply the Goods and Services in accordance with the Contract Documents for the Lump Sum Price of:

\$ 186,405.00

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One hundred, eighty-six thousand, four hundred and five dollars and no cents

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\*Adder for (2) technicians onsite for (1) day each (including travel time).....\$11,600.00

## ARTICLE 6 – GUARANTEED POWER OUTPUT

6.01 Proposer guarantees that the turbine and generator system will produce the following power generation output at the listed operating conditions:

<b>Flow (gpm)</b>	<b>Head at Turbine Inlet (ft)</b>	<b>Guaranteed Power Output * (kW)</b>
1,500	460	98
900	460	56
300	460	18**

\* Expected values are 1% higher than guaranteed

\*\* Outputs below 25% rated are estimated since generator data is not available

00410-3


**ARTICLE 7 – TIME OF COMPLETION**

- 7.01 Proposer agrees that the Goods and Services will be provided within the times after Notice to Proceed as defined in the General Conditions within the number of calendar days following receipt of Notice to Proceed indicated in the Agreement.
- A. Delivery of Submittal Package (Design Drawings, Manufacturers Data, etc.): 30 days
  - B. Delivery of Preliminary Operation and Maintenance Manuals: 45 days
  - C. Delivery of Equipment to the Site: 160 days
  - D. Delivery of Final Operation and Maintenance Manuals: 160 days
- 7.02 Proposer further agrees that performance of manufacturer's field services (including installation check, startup assistance, and certification of acceptable installation and operation) to final completion will be coordinated with the Contractor to the satisfaction of the Engineer.
- 7.03 Proposer accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 8 – PROPOSAL SUBMITTAL**

- 7.01 This Proposal is submitted by:

Company Name (typed or printed): Canyon Industries, Inc.

By:   
(Individual's signature)

Title: Vice President

Proposer's Business Address 5500 Blue Heron Lane  
Deming, WA 98244

Phone No. 360-592-5552 Fax No. 360-592-2235

E-mail brett.bauer@canyonhydro.com

SUBMITTED on June 5, 2014.

++ END OF DOCUMENT ++

00410-4



## Comments and Exceptions

### *Pleasant Grove Hydroelectric Project*

Section 00520 Article 6.02A. Canyon Hydro call exception to the requested payment terms and offers the following as an alternative.

<u>Goods and Services Provided Payment</u>	<u>(Cumulative %)</u>
Receipt of Signed Agreement and Authorization to Proceed with Design	10
Submittal Package Approval	35
Notification equipment is ready to ship	90
Receipt and acceptance of all equipment in acceptable condition including Operations and Maintenance Manuals, Completion of Start-up, Field Testing, Installation Check Training, etc., and Final Acceptance by OWNER	100

Section 00700 Article 4. Canyon Hydro offers our proposal based on the attached insurance levels that we currently maintain.

Section 00700 Article 5.10. Canyon Hydro offers our proposal based on our standard warranty included with our proposal.

Section 00700 Article 11. The project schedule will be affected if contractual payments are delayed.

Section 01610 Article 1.12. Canyon will make field service technicians or engineers available on an as needed basis for supervision of installation following our included Field Service Rates. We have not included these costs in our base price. Canyon would be pleased to offer a separate bid for the mechanical installation of the equipment, if you are interested.

Section 01750. Canyon will make field service technicians or engineers available on an as needed basis for testing, training and startup following our included Field Service Rates. We have not included these costs in our base price.

Section 15645 Part 2.2 D, Canyon proposed a runner machined from CF8M to A743 rather than the CA6NM requested. If CA6NM is technically required, please allow for an adder of \$4,000.00.

Section 15645 Part 2.2 E. It is not clear to us what the discharge chamber is. Our intent is for the turbine housing to set over the concrete tailrace well.

Section 15645 Part 2.3 Canyon offers a NIDEC generator according to the attached generator submittals.

Section 15645 Part 3.4 Canyon will make field service technicians or engineers available on an as needed basis startup and initial operation services following our included Field Service Rates. We have not included these costs in our base price.



# CERTIFICATE OF LIABILITY INSURANCE

OP ID: MH

DATE (MM/DD/YYYY)

11/16/12

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Inland Insurance Inc. 9016 E Indiana Ave., Suite A Spokane Valley, WA 99212 John L Green		<b>Phone:</b> 509-456-2648 <b>Fax:</b> 509-456-3432	<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b> <b>E-MAIL ADDRESS:</b> <b>PRODUCER CUSTOMER ID #:</b> CANYO-2	<b>FAX (A/C, No):</b>
<b>INSURED</b> Canyon Industries, Inc. dba Canyon Hydro PO Box 36 Deming, WA 98244	<b>INSURER(S) AFFORDING COVERAGE</b>			<b>NAIC #</b>
	<b>INSURER A:</b> Depositors Insurance Company			42587
	<b>INSURER B:</b> Chartis Specialty Insurance Co			
	<b>INSURER C:</b>			
	<b>INSURER D:</b>			
	<b>INSURER E:</b>			
			<b>INSURER F:</b>	


**COVERAGES****CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	<b>GENERAL LIABILITY</b>			EG 13579318	11/23/12	11/23/13	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 25,000
	<input checked="" type="checkbox"/> Incl Pollution						PERSONAL & ADV INJURY	\$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$ 2,000,000
<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC							PRODUCTS - COM/OP AGG	\$ 2,000,000
A	<b>AUTOMOBILE LIABILITY</b>			ACP7524779901	11/23/12	11/23/13	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident)	\$
	<input type="checkbox"/> SCHEDULED AUTOS						PROPERTY DAMAGE (Per accident)	\$
HIRED AUTOS							\$	
NON-OWNED AUTOS							\$	
B	<b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR			EGU 13579377	11/23/12	11/23/13	EACH OCCURRENCE	\$ 4,000,000
	<input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE	\$ 4,000,000
	DEDUCTIBLE							\$
	RETENTION \$							\$
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>			EG 13579318 WA STOP GAP	11/23/12	11/23/13	WC STATU-TORY LIMITS	OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y / <input type="checkbox"/> N	N / A				E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

<b>TOWHOM</b>  To Whom it May Concern	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b> 

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# Technical Proposal

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## ***Battle Creek Hydroelectric Project***

### **Table of Contents**

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Canyon Company Profile

Resumes

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Standard Warranty

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Preliminary Design Specifications

Generator Description

Switchgear/Control Description

Turbine Elevation Proposal Drawing

Equipment Plan Proposal Drawing



## Section 1: Business Information

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### *Battle Creek Hydroelectric Project*

#### Project Summary

Net Head (at design flow).....	460 feet
Design Flow .....	1500 gpm
Turbine Type .....	Custom-designed 1200 rpm double-nozzle Pelton
Configuration .....	Independent bearing, direct-coupled turbine & generator
Generator Output at Design Flow .....	100 kW
Mode of Operation .....	Grid connected

#### Section Contents

Canyon Company Profile

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General Provisions for Field Service

Standard Warranty



# Company Profile

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Canyon Industries, Inc. has been involved in the manufacture of hydroelectric systems since 1976. The company was incorporated under the laws of the State of Washington in 1982. All manufacturing facilities and offices are located in the United States, near Deming, Washington.

The company currently employs approximately 50 full time employees and has two manufacturing centers: a 24,000 square foot fabrication facility in Deming, Washington, and a 15,000 square foot CNC Machining Center near Sumas, Washington. Canyon has extensive machining and fabrication capabilities, and handles all aspects of turbine construction except foundry castings. Castings are managed in three independent foundries, all of which have been trained by Canyon personnel to handle the unique casting requirements of hydraulic turbines.

Pelton and Francis turbines, as well as Kaplan and Crossflow turbines, are designed and manufactured under the trade name "Canyon Hydro." Turbines are offered as independent units or as part of complete hydroelectric systems. Canyon Hydro turbines are designed for either "stand alone" operation, providing power to remote communities, or as "grid interface" systems, connecting directly to the local or national grid. Canyon customers include utility companies, private power developers, communities, and individual landowners.

Canyon Industries is a family-owned, profit sharing business with low employee turnover. The company emphasizes environmental responsibility through recycling programs and selective purchasing, and maintains its own onsite hydroelectric system delivering 30 kW of renewable energy.

Richard A. New, President and co-owner, joined Canyon in 1978 and oversees all manufacturing and field service operations. Richard has extensive background in hydraulics and metallurgy, and has onsite experience with a wide array of hydroelectric projects.

Daniel A. New, Vice President, founded Canyon Industries in 1976. Dan participates in turbine design, production procedures, sales, as well as company management and planning.

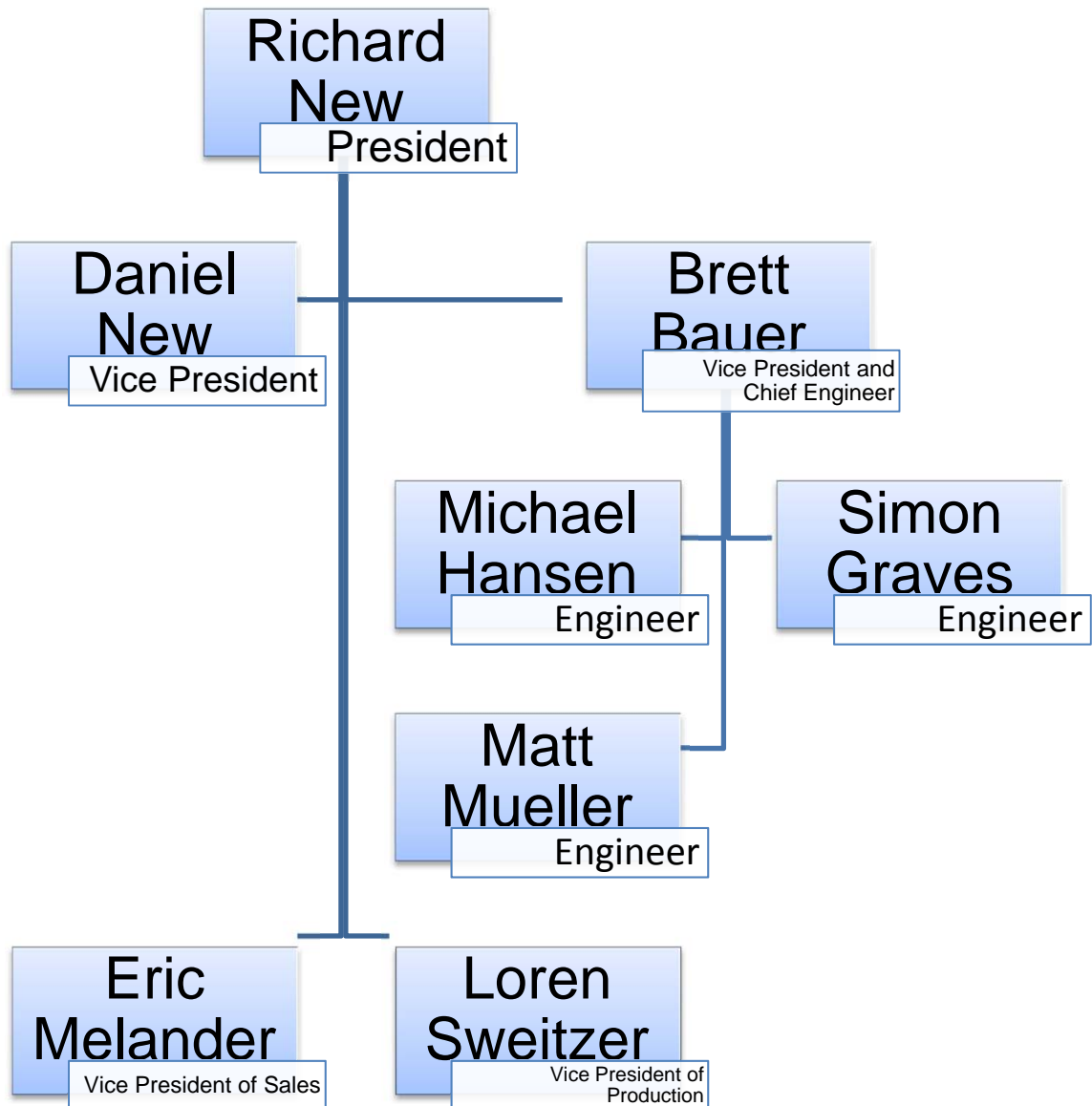
Brett W. Bauer, M.E., Vice President and Chief Engineer, joined the company in 1995. Brett works closely with Canyon customers and oversees all specification development, system design, and project management.

Eric Melander, Vice President of Sales, joined the company in 2005. Eric has a deep knowledge of turbine design and works closely with customers through all stages of the production process to ensure the proper system is chosen and built to the customer's specifications.

Canyon Industries' annual gross sales have averaged \$10 - \$12 million for the past few years. The company is current on all suppliers' accounts and has no other debt. All production and support equipment is owned without attachment by the company. Corporate occupied land and buildings are presently leased. Canyon Industries Inc. has no claims or lawsuits pending.

# Canyon Industries, Inc. Management Organization

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## RICHARD A. NEW

Richard New is President and co-owner of Canyon Industries, Inc., and has been employed with the company since it was founded in 1976. Richard New oversees manufacturing and field services. He is actively involved with site assessment, as well as turbine installation and startup.

Mr. New possesses a thorough understanding of hydroelectric turbine systems: their design, manufacture, and maintenance. He is also an expert in the field of modern fabrication techniques, including the casting and forging of special-purpose alloys, CNC machining, and component heat treating.

Richard is a champion of the hydropower industry. He sponsored and directed the development of a website called [whyhydropower.com](http://whyhydropower.com), aimed at educating and shaping the opinions of the general public and government officials. He has also taught college courses in basic and advanced hydraulics.

Mr. New has domestic and international experience in site assessment, installation and refurbishment of hydropower systems. Projects include:

- Hystad, Canada
- Cascade-CSU, Colorado
- Falls Creek, Alaska
- Cajon de Pena, Mexico
- Southern Nevada Water Authority, Nevada
- Upper Swift Creek, Wyoming
- District of Lake Country, Canada
- Tyson, Canada
- GE, Big Creek #3, California
- City of Santa Fe, New Mexico
- Swalley Water District, Oregon
- Combie North-Nevada Irrigation District, California
- DeWitt Pipeline, Utah

## DANIEL A. NEW

Daniel A. New is the Vice President of Canyon Industries, Inc. and has participated in hydroelectric projects for more than 35 years. Mr. New oversees all business and production operations. His background and education are in mechanical and hydraulic engineering.

Canyon Industries, incorporated by Mr. New in 1976, is dedicated to the manufacture and service of high quality turbines and hydroelectric systems. The company supplies turbines, components, water-to-wire packages and field machining services to customers worldwide. Mr. New has been the driving factor in the growth of Canyon Industries, as well as its reputation for exceptionally high quality products and customer support.

Mr. New places heavy emphasis on hydropower education for professionals and the general public. He has presented hydroelectric classes in North and Central America, with emphasis on "hands on" participation. Instruction covers site analysis, equipment selection, design basics, and efficient operation of hydroelectric systems.

Mr. New has been personally involved in the specification, production and installation of well over 100 hydroelectric projects, among them:

- Mauka Hydro, Hawaii
- Middle Fork Irrigation, Oregon
- Nooksack Falls Hydro, Washington
- Cwmorthin, Wales
- La International, Ecuador
- Bahio Solano, Colombia
- Deseret GT, Utah
- City of Cove, Oregon
- Mt. Pleasant, Utah
- La Esperanza, Honduras

## BRETT W. BAUER

Brett Bauer is Vice-President and Head of Engineering at Canyon Industries, Inc. He oversees the specification and design for all hydropower systems supplied by Canyon Industries, and actively manages projects as they move through production. He has been employed by Canyon Industries for more than fifteen years.

Mr. Bauer was trained as Mechanical Engineer and received a BSME from the University of Washington. He has been personally involved with the design of more than 50 hydro projects including new installations, turbine refurbishment, nozzle repair, and replacement runners. He is trained in Computer Aided Design, Computational Fluid Dynamics, Finite Element Analysis, and Project Management.

Mr. Bauer has domestic and international experience in the design, installation and supervision of turbines projects, among them:

- LaGrande Dam, Washington
- South Sutton/Marion Creek, Canada
- Malibu, Canada
- La Esperanza, Honduras
- Glen Lyon, Scotland
- Southern Nevada Water Authority, Nevada
- Upper Swift Creek, Wyoming
- Tyson, Canada
- Middle Creek-Dasque Cluster, Canada

## ERIC C. MELANDER

Eric Melander is Vice-President of Sales at Canyon Industries, Inc. He has a widespread knowledge of turbine design and works closely with customers through all stages of the production process to ensure the proper system is chosen and built to the customer's specifications.

Mr. Melander earned his BA at Western Washington University and joined Canyon in 2005. He has sold and provided project management for more than 60 projects to date. He is trained in Pelton and Crossflow turbine design, comprehends pump turbine applications and works closely with top engineering firms.

Mr. Melander has domestic and international experience in the design and supervision of turbines projects, including:

- Los Corrales, Chile
- Hamakua Springs, Hawaii
- Struy Hydro Scheme, Scotland
- Southern California Edison – South Lake Tunnel, California
- City of Whitefish, Montana
- El Montazo, Dominican Republic
- City of Frostburg, Maryland

## MICHAEL R. HANSEN

Michael Hansen is a Design, Manufacturing, and Quality Control Engineer at Canyon Industries, Inc. Formed in 1976, Canyon Industries is a manufacturer of Pelton turbines and small hydroelectric systems with a recent opening of a CNC division with involvement in the aerospace industry.

Mr. Hansen was trained as Manufacturing Engineer and received a BS from Western Washington University. Mr. Hansen has been employed by Canyon Industries for five and a half years as a design and project engineer and currently has branched out as the quality control engineer and programmer in the CNC division.

Michael Hansen has design experience on over 30 hydro projects including new turbine designs, turbine refurbishment, nozzle rebuilds, and replacement Pelton runners. He also has experience in Quality Control on 10 new construction turbine projects and 3 aerospace projects. He is trained in Computer Aided Design, Finite Element Analysis, Solid Modeling, CNC Programming, and Quality Control.

Mr. Hansen has domestic and international experience in the design of turbines. Projects include:

- Tolt Dam, Washington
- Mumba Hydro, Africa
- Afton Culinary, Wyoming
- Cajon de Pena, Mexico
- Inverinian, Scotland
- Williams Fork Dam, Colorado
- Upper & Lower Swift Creek, Wyoming
- Ushmil Hydro, India
- Tyson Creek, Canada
- Rush Creek, California
- Olivenhain MWD, California

## SIMON J. GRAVES

Simon Graves has been playing the role of hydropower design engineer at Canyon Industries since 2011. His main focus at Canyon is the design of custom Pelton turbines and water-to-wire systems. This includes system and subsystem design, component design, 3D modeling and analysis (including finite element analysis and computational fluid dynamics), drafting, testing, documentation, coordinating with manufacturing, and customer support.

Simon also conducts performance analysis and predictions for existing and potential projects. He enjoys using spreadsheet-based number-crunching to help customers determine system design parameters that will obtain the highest return on their investment in hydropower.

In 1999 Simon earned a B.S. in mechanical engineering at the University of California, San Diego. Before bringing his expertise to Canyon, he designed automated fare collection systems (ticket vending machines and entry gates) for mass transit, and rooftop PV modules for commercial-scale solar energy installations.

He has orchestrated the design of turbines worldwide, including:

- Pencaligue, Honduras
- Middle Creek, British Columbia, Canada
- Haa-ak-Suuk, Vancouver Island, Canada
- Fish Lake, Yukon, Canada
- Monar, Scotland, UK
- Olson Trust, Hawaii, USA
- Cadair, Scotland, UK
- Whitefish, Montana, USA
- Strata Florida, Wales, UK



## MATT R. MUELLER

Matt Mueller is a Design, Project and Metrology engineer at Canyon Industries, Inc. Formed in 1976, Canyon Industries is a manufacturer of Pelton, Francis and Kaplan turbines ranging in size from 10kW to 20MW. With the recent opening of a CNC machining center in Sumas, WA, Canyon Industries is expanding its capabilities in Hydro as well as the Marine and Aerospace industries

Mr. Mueller has been trained as an Aerospace Engineer and has received a BS from the University of Minnesota, Twin Cities. Matt has been with Canyon Industries for one year working as a design and project engineer with prior experience in composites process engineering and research and development within the aerospace industry. Currently Matt also works as a metrology engineer and employs the latest laser metrology technology for inspection and electronic re-construction of aging hydro-turbine components and systems.

Matt has a growing resume of Hydro projects including design of new pump turbine systems, Pelton runner rebuilds, turbine sub-component system design and construction as well Francis runner design and optimization. Mr. Mueller also has experience with onsite inspection and data acquisition for reverse engineering operations. He is trained in multiple Computer Aided Design software packages as well as laser metrology data acquisition and re-engineering software.

Mr. Mueller has been personally involved in the specification, and design of multiple projects including:

- Black Creek, Washington
- Middle Creek, British Columbia
- Rancho California Water District, California
- Edwards Air Force Base, California
- Pelican, Alaska
- Malibu, British Columbia, Canada
- Glen Affric, Scotland
- Daltote, Scotland
- Deer Creek, Utah
- Navajo Dam, New Mexico



CANYON INDUSTRIES, INC.  
PAST PERFORMANCE FACTORS  
(Partial Listing)

<u>Project Name</u>	<u>Description of Work</u>	<u>KW</u>	<u>Award Date</u>	<u>Customer Name/Address</u>	<u># JETS</u>	<u>HEAD</u>	<u>FLOW</u>
Malibu Club Camp Job 033054	Custom Pelton turbine/generator with flywheel, hydraulic power supply, inlet piping & valve	580	2003	Young Life, Harold Richert 271 Gower Point Rd, Box 1503 Gibson, BC, Canada B0N 1V0 604-886-7300	1	316M	227 l/s
South Sutton Creek Job 033064	Custom double nozzle Pelton turbine/generator with hydraulic power supply	5400	2003	Executive Power Corp. Mr. Sam Jackson 777 Douglas Street Victoria, BC, Canada V0R 2P0 250-709-1736 <a href="mailto:samdjackson@yahoo.com">samdjackson@yahoo.com</a>	2	329M	2.0 m <sup>3</sup> /s
Marion Creek Job 033065	Custom double nozzle Pelton turbine/generator with hydraulic power supply	4500	2003	Executive Power Corp. Mr. Sam Jackson 777 Douglas Street Victoria, BC, Canada V0R 2P0 250-709-1736 <a href="mailto:samdjackson@yahoo.com">samdjackson@yahoo.com</a>	2	467.2M	1.17 m <sup>3</sup> /s
GlenLyon Job 043012	Custom double nozzle Pelton turbine with hydraulic power supply	942	2004	I. Wotherspoon Kilmartin Property Group 11 Glenfinlas Street Edinburgh, Scotland EH3 6AQ <a href="mailto:abs@fsbdial.co.uk">abs@fsbdial.co.uk</a>	2	312M	0.35 cms
La Esperanza II Job 043064	Twin Custom Pelton turbine/generator/governor	2 x 6,150	2004	Consorcio de Inversiones S.A. Ron Turner Apartado Postal #53 Villa Las Olominas #22, Aldea Santa Anita La Esperanza, Intibuca Honduras, CA 504-783-1452 <a href="mailto:trrnald@cs.com">trrnald@cs.com</a>	2	370 M	2.0 m <sup>3</sup> /s
Hauer Creek Job 053095	Custom Pelton turbine/generator with hydraulic power unit Bat Electric switchgear	3100	2005	Norm Lorenz Lorenz Holdings General Delivery Dunster, BC, Canada V0J 1J0 250-968-4419 <a href="mailto:norm@valemont.com">norm@valemont.com</a>	2	1287 FT	32 cfs
Falls Creek Job 073028	Custom double nozzle Pelton, TIV, HPU, Generator and governor	936	2007	Gustavus Electric Company PO Box 102 Gustavus, AK 99826 Richard Levitt 907-697-2299	2	554 FT	23 cfs
Coronado Job 073086	(2) Custom single nozzle Pelton turbines, HPU	2 x 3050	2007	Energisa, SA, Hector Borjas Apdo Postal 20524, Casa #3911, Bloque F Colonia Los Girasoles Tegucigalpa, Honduras 504-221-5088 <a href="mailto:energhib@hondutel.hn">energhib@hondutel.hn</a>	1	510 M	1.4 m <sup>3</sup> /s



CANYON INDUSTRIES, INC.  
PAST PERFORMANCE FACTORS  
(Partial Listing)

<u>Project Name</u>	<u>Description of Work</u>	<u>KW</u>	<u>Award Date</u>	<u>Customer Name/Address</u>	<u># JETS</u>	<u>HEAD</u>	<u>FLOW</u>
Tyson Creek Job 073106	Custom double nozzle Pelton, TIV, Generator, HPU	9300	2007	Tyson Creek Hydro Corp. Peter Schober Box 1611 Gibsons, BC, Canada V0N 1V0 604-886-9062 <a href="mailto:pschober@dccnet.com">pschober@dccnet.com</a>	2	812 M	1.36 cms
Eldorado Job 083015	Custom double nozzle Pelton Generator, TIV, HPU	1140	2008	District of Lake Country Jack Allingham 10150 Bottom Wood Lake Road Lake Country, BC, Canada V4V 2M1 250-766-5650 <a href="mailto:jallingham@lakecountry.bc.ca">jallingham@lakecountry.bc.ca</a>	2	186 M	0.7cms
Castle Creek Job 083018	Custom vertical 5 jet Pelton Generator, TIV, HPU, Controls	1210	2008	City of Aspen, Colorado Rob Covington 130 South Galena Street Aspen, CO 81611-1902 970-920-5212 <a href="mailto:robert.covington@ci.aspen.co.us">robert.covington@ci.aspen.co.us</a>	5	325 FT	52 cfs
Innerhadden Job 083031	Custom double nozzle Pelton turbine, HPU	1435	2008	Richard Barclay Kinlock Rannoch by Pitlochry Perthshire, Scotland, U.K. PH16 5QD 44-870-160-1559 <a href="mailto:richard@rannochsmokery.co.uk">richard@rannochsmokery.co.uk</a>	2	289 M	0.57cms
Keltneyburn Job 093006	(2) Custom Peltons, HPU	2 x 1000	2009	Jimmy Stewart Keltney House, Keltneyburn Aberfeldy, Perthshire Scotland, UK PH15 2LF <a href="mailto:sandie@wordwright.info">sandie@wordwright.info</a>	2	231 M	1.0 cms
Los Corrales I Job 093020	Custom Pelton, 2NN, Generator Controls, HPU	878	2009	Alejandro Ponce El trovador 4285 piso 11 Las Condes Santiago de Chile 56-2-429-7900 <a href="mailto:alejandroponce.p@gmail.com">alejandroponce.p@gmail.com</a>	2	258.9 M	400 l/s
Canoe Creek Job 093024	Custom double nozzle Pelton TIV, HPU, Generator	5500	2009	Canoe Creek Hydro Company Ltd Iain Cuthbert Unit B - 6451 Portsmouth Road Nanaimo, BC Canada V9V 1A3 250-390-2627 <a href="mailto:icuthbert@shaw.ca">icuthbert@shaw.ca</a>	2	465 M	1.45 m <sup>3</sup> /s
Innerwick Job 093048	Custom double nozzle Pelton HPU	995	2009	Lairig a Mhuic LLP c/o Managed Estates W.N.B. Bateman Meggernie Estate 1 Springkerse Road Stirling, Scotland, UK FK7 7SN 1786-462519 <a href="mailto:me@managed-estates.co.uk">me@managed-estates.co.uk</a>	2	183 M	0.626 cms



CANYON INDUSTRIES, INC.  
PAST PERFORMANCE FACTORS  
(Partial Listing)

<u>Project Name</u>	<u>Description of Work</u>	<u>KW</u>	<u>Award Date</u>	<u>Customer Name/Address</u>	<u># JETS</u>	<u>HEAD</u>	<u>FLOW</u>
Castles Estate Job 103007	Custom double nozzle Pelton HPU	1014	2010	David Reese c/o Managed Estates 1 Springkerse Road Stirling, Scotland, UK FK7 7SN 1786-462519	2	165 M	0.73 cms
Roromore Job 103030	Custom double nozzle Pelton HPU	995	2010	Edwin Thompson Company Elizabeth Cruickshank 76 Overhaugh Street Galsahiels, UK TD1 1DP 1896-751330 <a href="mailto:E.Cruickshank@edwin-thompson.co.uk">E.Cruickshank@edwin-thompson.co.uk</a>	2	195 M	0.59 cms
GE - Big Creek #3 Job 103056	Machine Francis Runner Onsite Reassemble Turbine	50 MW	2010	Michael Mann General Electric 47369 Lower Redinger Road Auberry, CA 93602 801-796-8770 <a href="mailto:michael.mann@ge.com">michael.mann@ge.com</a>	N/A		
City of Boulder Job 103116	Custom double nozzle Pelton HPU, NN, Generator Spare Runner	6000	2010	City of Boulder, Colorado Joe Taddeucci Dept. of Public Works/Utilities Division PO Box 791 1739 Broadway, 2nd Floor Boulder, CO 80306 (303) 441-3266 <a href="mailto:taddeucci@bouldercolorado.gov">taddeucci@bouldercolorado.gov</a>	2	1820.5 FT	37.7 cfs
ATCO - Fishlake Job 113019	Custom double nozzle Pelton HPU, Generator	975	2011	The Yukon Electric Company Limited Chris Cullingham Whitehorse Service Center 205 Tungsten Road Whitehorse, YT Y1A 3T4, Canada <a href="mailto:chris.cullingham@atco.com">chris.cullingham@atco.com</a>	1	412.09 FT	25.07 cfs
Los Corrales II Job 113028	Custom double nozzle Pelton HPU, Generator, Switch Gear	1035	2011	Alejandro Ponce El trovador 4285 piso 11 Las Condes Santiago de Chile 56-2-429-7900 <a href="mailto:alejandro.ponce.p@gmail.com">alejandro.ponce.p@gmail.com</a>	2	1167.96 FT	14.124 cfs
Olivenhain Job 113036	Dual Unit Francis Turbines HPU, Generator	2 x 350	2011	George Briest Olivenhain Municipal Water District David C. McCollum Water Treatment Plant 1966 Olivenhain Road Encinitas, CA 92024 760-753-6466 <a href="mailto:gbriest@olivenhain.com">gbriest@olivenhain.com</a>	N/A	180 FT	26.3 cfs



CANYON INDUSTRIES, INC.  
PAST PERFORMANCE FACTORS  
(Partial Listing)

<u>Project Name</u>	<u>Description of Work</u>	<u>KW</u>	<u>Award Date</u>	<u>Customer Name/Address</u>	<u># JETS</u>	<u>HEAD</u>	<u>FLOW</u>
Middle Creek Job 113063	Custom five nozzle Pelton HPU, Generator, Cooling Water System	8200	2011	Don Hague Veresen Inc. 669 Howe Street, Suite 650 Vancouver, BC Canada V6C 0B4 604-637-6393 <a href="mailto:dhague@vereseninc.com">dhague@vereseninc.com</a>	5	331.5 M	2.9 cms
Deer Creek Job 133009	Replacement Francis Runners	2 x 5400	2013	Jeff Budge Provo River Water Users Association 285 West 1100 North Pleasant Grove, UT 94062 801-796-8770 <a href="mailto:jdb@prwua.com">jdb@prwua.com</a>	N/A	525 FT	135 cfs



# General Provisions for Field Service

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## Field Service Rates

**Technician** \$1,400 per day

Overtime/weekends \$200 per hour

**Engineer or Executive** \$2,000 per day

Overtime/weekends \$285 per hour

### Transportation

Personal or Corporate automobile mileage charged at \$0.51/mile.

Air, rail, rental car, etc. will be charged at cost plus 15% processing charge.

### Lodging & Meals

Charged at cost plus 15% processing charge.

### Travel

Travel time will be billed at the straight time hourly rate Mondays through Fridays and at the weekend rate for Saturdays, Sundays, and Holidays.

## General Provisions

### Standby Time

Any waiting time when the Representative is available to work, up to a maximum of eight (8) hours on any one working day, shall be regarded as time actually worked, even though the services are not actually utilized. The rate may not be prorated for partial days.

### Delays

Canyon Industries, Inc. shall not be liable for delay in performance when such delay is occasioned by causes beyond its reasonable control, including but not limited to acts of God, acts of the customer, material shortages, transportation difficulties, flood, strikes, epidemics, war (declared or undeclared), riot, etc.

### Emergency Work

The minimum time off for a representative during any 24 hour period must be eight (8) consecutive hours.

### Terms of Payment

A deposit equal to 50% of anticipated charges due upon request for a field representative. Payment for services and material will be due upon presentation of invoices.

Rates subject to change without notice.

# Standard Warranty

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Canyon Industries, Inc. (Seller) warrants that as to fabrication and assemblies all material and equipment purchased by it and incorporated in or becoming a part of the work shall be new, unless otherwise directed in writing by the Buyer. Seller warrants that all material and equipment manufactured by it shall be free from injurious defect, latent or otherwise, and shall conform to the specifications provided. If within 18 months after shipment of any such material or equipment, or within one year after such material or equipment is placed in use or operation, whichever first occurs, Buyer (or Buyer's successor in interest) shall discover a defect or defects therein other than those resulting from either ordinary wear and tear, defects resulting from improper use thereof, and additions or alterations made by persons other than Seller, and shall notify Seller thereof, in writing, within such period, Seller will repair or replace such defective material or equipment or the defective portion or part thereof free of charge to Buyer (or Buyer's successor in interest) FOB Seller's plant, except for costs of removal and installation.

Seller does not warrant or guarantee materials or equipment which it does not design, but will use its best efforts to obtain for Buyer such guarantees as requested by Buyer. Unless otherwise advised, in writing by Buyer, Seller shall incorporate in every purchase order to suppliers of material and equipment for Buyer, its customary warranty and guarantee requirements.

Except as above specified, Seller will not be liable upon any guarantees or warranties, expressed or implied, statutory or by operation of law or otherwise, in any manner or form whatsoever, including but not limited to warranties of merchantability and/or fitness for purpose.

Except as above specified, Seller will not be liable for any costs, expenses or damages whatsoever, including but not limited to loss of interest, earnings, profits or other special indirect or consequential damages.



## Section 2: Technical Information

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### *Battle Creek Hydroelectric Project*

#### Project Summary

Net Head (at design flow).....	460 feet
Design Flow .....	1500 gpm
Turbine Type .....	Custom-designed 1200 rpm double-nozzle Pelton
Configuration .....	Independent bearing, direct-coupled turbine & generator
Generator Output at Design Flow .....	100 kW
Mode of Operation .....	Grid connected

#### Section Contents

Preliminary Design Specifications
Generator Description
Switchgear/Control Description
Turbine Elevation Proposal Drawing
Equipment Plan Proposal Drawing



# Preliminary Design Specifications

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## BATTLE CREEK HYDROELECTRIC PROJECT UTAH

### Specifications

#### 1.0 Impulse Turbine Runner

- 1.1. Material  
Stainless steel alloy CF8M, high abrasion resistance, high tensile strength.
- 1.2. Construction  
Buckets, disc, and hub integrally cast. Machined or ground to template.
- 1.3. Finish  
All surfaces hand-polished to optimize hydraulic and aerodynamic efficiency.
- 1.4. Balance  
Runner statically balanced while on runner shaft, then dynamically balanced to speed exceeding runaway speeds according to ISO 1940 G. 6.3.
- 1.5. Shaft Coupling  
Flender (Siemens) elastomeric shaft coupling, or equivalent

#### 2.0 Nozzle Assembly

- 2.1. Number and Type  
Two (2) infinitely variable flow needle type nozzles, custom-designed for project head and flow.
- 2.2. Materials  
Nozzle assembly body of fabricated ASTM A106 steel. Nozzle needle and beak of 300 series stainless steel. Highly polished.
- 2.3. Actuator  
Nozzle assembly provided with hydraulic nozzle actuator, including visual nozzle position indicator and 4-20mA position transducer.

#### 3.0 Jet Deflectors

- 3.1. Construction  
Constructed of high strength carbon steel, stainless steel shaft, mounted on sealed ball bearings.
- 3.2. Actuator  
Failsafe jet deflector lifted by hydraulic actuator, held open by solenoid valve, closed in 1-2 seconds by weighted jet deflector control arm. Includes 4-20mA position transducer.

## **4.0 Turbine Housing**

- 4.1. Design  
Turbine housing designed for maximum efficient escape of water and minimum aerodynamic drag.
- 4.2. Materials  
Housing weld-fabricated of ASTM A36 plate steel, gusseted and reinforced. Frame constructed of welded structural steel for maximum rigidity and strength.
- 4.3. Bearings  
Pillow block mounted double row spherical roller bearings, grease or oil lubricated. Designed for minimum B10 life of 100,000 hours. Fitted with PT100 RTD's and vibration transducers (one per bearing).
- 4.4. Coating System  
Outside and inside, and turbine piping, sandblasted to near white surface. Inside and outside coating Ameron Amerlock 2 epoxy, color medium blue.
- 4.5. Turbine embedded mounting frame is included.

## **5.0 Generator**

- 5.1. Manufacturer .....NIDEC (USEM), or equivalent
- 5.2. Specifications: Induction 100 kW, 1200 rpm, double bearing with shaft extension suitable for flexible coupling (provided by Canyon). Rated for 180% no-load overspeed for 5 minutes. Generator mounting frame is included. See attached description.

## **6.0 Control and Switchgear Package**

- 6.1 Manufacturer .....Bat Electric, Redding, CA
- 6.2 Complete control and switchgear package per attached description.

## **7.0 Operation and Maintenance**

- 7.1. Complete Operator instructions and maintenance manuals will be provided for turbine, generator, and related components.
- 7.2. At additional cost, a Canyon Hydro factory representative can be made available at turbine site for system installation, testing, adjustment, and to instruct local personnel in operation and maintenance. Current rates are described in the attached "General Provisions for Field Service".

## **8.0 Technical Attachments**

Generator Description  
Control and Switchgear Description  
Turbine Elevation Proposal Drawing  
Equipment Plan Proposal Drawing

# NIDEC MOTOR CORPORATION

8050 WEST FLORISSANT AVE.  
ST. LOUIS, MO 63136



**DATE:** 4/29/2014

**P.O. NO.:** 150HP - RFQ  
**Order/Line NO.:** 1004240 IN 100

**TO:** Canyon Ind Inc \*  
5500 Blue Heron Lane  
Deming, WA, 98244

**ATTN:** BRETT BAUER

**Model Number:** NA  
**Catalog Number:** D150P3Z-P  
Horiz. ODP Pre. Eff. Config.  
CONF,MOTOR,HORIZ ODP PRE EFF

**REVISIONS:**

**ALL DOCUMENTS HEREIN ARE CONSIDERED TYPICAL BY NIDEC MOTOR CORPORATION.  
THANK YOU FOR YOUR INQUIRY AND THE OPPORTUNITY TO SERVE YOU.**

## Features:

Temporary - DO NOT COPY  
Horsepower ..... 00150.00 ~ KW: 111.9  
Enclosure ..... ODP  
Poles ..... 06 ~ RPM: 1200  
Frame Size ..... 445~T  
Phase/Frequency/Voltage.. 3~060~480 ~ Random Wound  
Service Factor ..... 1.15  
Insulation Class ..... Class "F" ~ Insulife 1000  
Altitude In Feet (Max) .. 5500 Ft.  
Ambient In Degree C (Max) +40 C  
Assembly Position ..... "F-1" Assembly Position  
Efficiency Class ..... Premium Efficiency  
Application ..... Induction Generator  
Customer Part Number ....  
"AK" Dimension (Inches).. NA  
Temperature Rise (Sine Wave): "B" Rise @ 1.0 SF (Resist)  
Starting Method ..... Direct-On-Line Start  
Duty Cycle ..... Continuous Duty  
Load Inertia (lb-ft<sup>2</sup>): NEMA ~ NEMA Inertia: 1718.00 ~ 1.00  
Number Of Starts Per Hour: NEMA  
Motor Type Code ..... RE  
Rotor Inertia (LB-FT<sup>2</sup>) 53.7 LB-FT<sup>2</sup>  
Qty. of Bearings PE (Shaft) 1  
Qty. of Bearings SE (OPP) 1  
Bearing Number PE (Shaft) 6220-J  
Bearing Number SE (OPP) 6313-J

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# NIDEC MOTOR CORPORATION

8050 WEST FLORISSANT AVE.  
ST. LOUIS, MO 63136



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Horiz. ODP Pre. Eff. Config.  
CONF,MOTOR,HORIZ ODP PRE EFF

**REVISIONS:**

ALL DOCUMENTS HEREIN ARE CONSIDERED TYPICAL BY NIDEC MOTOR CORPORATION.  
THANK YOU FOR YOUR INQUIRY AND THE OPPORTUNITY TO SERVE YOU.

**Accessories:**

Direct Connected To Load

.

USE THE DATA PROVIDED BELOW TO SELECT THE APPROPRIATE DIMENSION PRINT

<b>Horsepower</b>	150
<b>Pole(s)</b>	06
<b>Voltage(s)</b>	480
<b>Frame Size</b>	445T
<b>Shaft U Diameter</b>	3.375
<b>Outlet Box AF</b>	4.72
<b>Outlet Box AA</b>	3.00

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EFFECTIVE:  
05-MAR-12

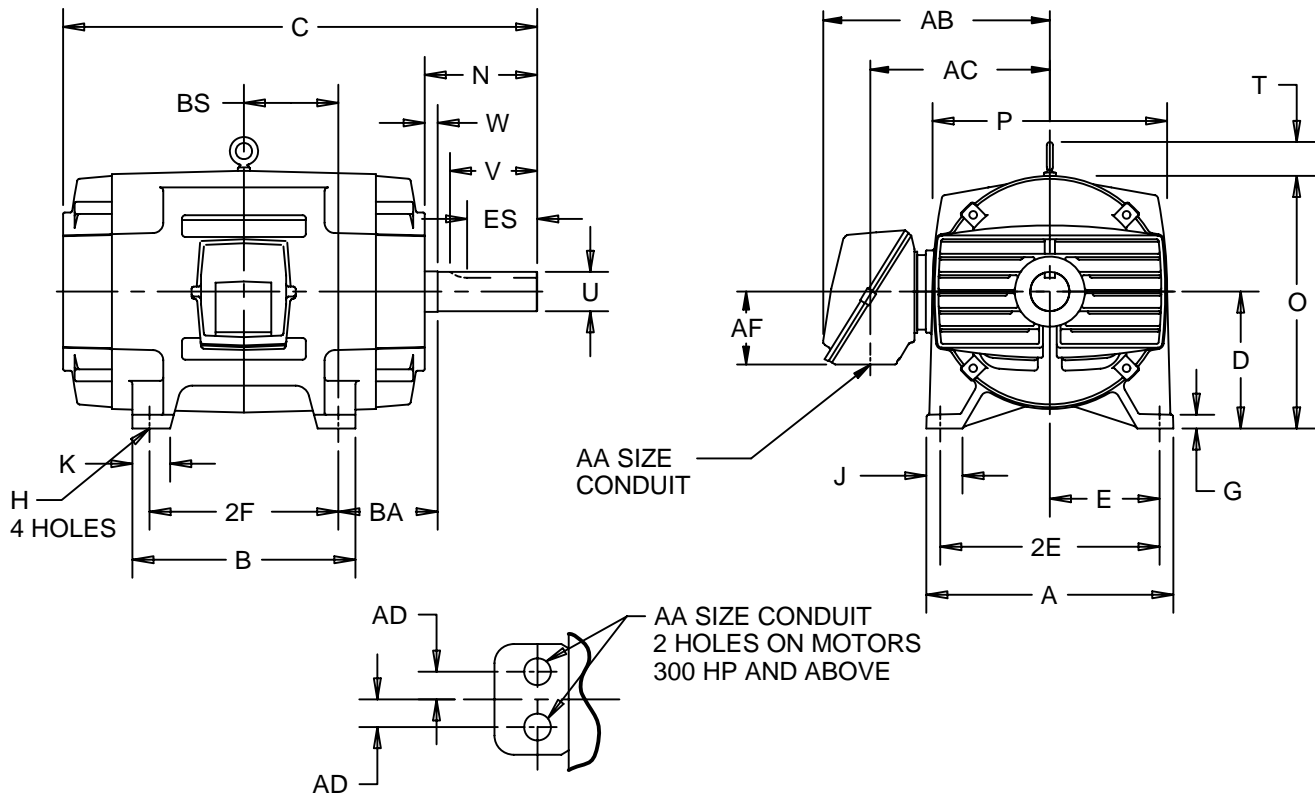
SUPERSEDES:  
05-AUG-11

# HORIZONTAL MOTORS

OPEN DRIP PROOF  
FRAME: 444T THRU 447TS  
BASIC TYPE: R

PRINT:  
07-1988

SHEET:  
1 OF 1



ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS

UNITS	A	D -.06	E	2E ±.03	G	H +.05	J	O	P <sup>2</sup>	T	W	BA
IN	22.00	11.00	9.00	18.00	1.38	.81	4.00	22.06	22.94	3.25	.25	7.50
MM	559	279	229	457	35	21	102	560	583	83	6	191

FRAME	UNITS	B	C	K	N	2F ±.03	U -.001	V MIN	BS	ES MIN	SQ KEY
444T	IN	17.75	37.75	3.25	8.75	14.50	3.375	8.25	7.25	6.91	.875
	MM	451	959	83	222	368	85.73	210	184	176	22.23
444TS	IN	17.75	34.00	3.25	4.97	14.50	2.375	4.50	7.25	3.03	.625
	MM	451	864	83	126	368	60.33	114	184	77	15.88
445T	IN	19.75	39.75	3.25	8.75	16.50	3.375	8.25	8.25	6.91	.875
	MM	502	1010	83	222	419	85.73	210	210	176	22.23
445TS	IN	19.75	36.00	3.25	5.00	16.50	2.375	4.50	8.25	3.03	.625
	MM	502	914	83	127	419	60.33	114	210	77	15.88
447T	IN	23.25	43.25	3.25	8.75	20.00	3.375	8.25	10.00	6.91	.875
	MM	591	1099	83	222	508	85.73	210	254	176	22.23
447TS	IN	23.25	39.50	3.25	5.00	20.00	2.375	4.50	10.00	3.03	.625
	MM	591	1003	83	127	508	60.33	114	254	77	15.88

FULL LOAD AMPS	HP	UNITS	AA	AB	AC	AD	AF
UP TO 250	---	IN	3.00	19.81	15.31	---	4.72
		MM		503	389	---	120
251 AND UP	≤ 250	IN	3 1/2 NPT	22.44	16.81	---	8.06
		MM		570	427	---	205
	≥ 300	IN	3 NPT	22.44	16.81	2.75	8.06
		MM		570	427	70	205

1: ALL ROUGH CASTING DIMENSIONS MAY VARY BY .25"  
DUE TO CASTING AND/OR FABRICATION VARIATIONS.  
2: LARGEST MOTOR WIDTH.

3: CONDUIT BOX MAY BE LOCATED ON EITHER SIDE  
OF MOTOR. CONDUIT OPENINGS MAY BE LOCATED IN  
STEPS OF 90 DEGREES REGARDLESS OF LOCATION.  
STANDARD AS SHOWN WITH CONDUIT OPENING DOWN.

07-1988/E

**Nidec Motor Corporation**  
St. Louis, Missouri

INFORMATION DISCLOSED ON THIS DOCUMENT  
IS CONSIDERED PROPRIETARY AND SHALL NOT BE  
REPRODUCED OR DISCLOSED WITHOUT WRITTEN  
CONSENT OF NIDEC MOTOR CORPORATION



ISSUED BY  
**R. KING**  
APPROVED BY  
**J. HAGENE**

IHP\_DP\_NMCA (MAR-2011) SOLIDEDGE

# NAMEPLATE DATA

CATALOG NUMBER:		D150P3ZP		NAMEPLATE PART #:		370780-004	
MODEL		FR	445T	TYPE	RE	ENCL	ODP
SHAFT END BRG		6220-J - QTY 1		OPP END BRG		6313-J - QTY 1	
PH	3	MAX AMB	40 C	ID#	(ref: Order#: 1004240, Type: IN, Line#: 100)		
INSUL CLASS	F	Asm. Pos	F1	DUTY	CONT		
HP	150	RPM	1210	HP		RPM	
VOLTS	480			VOLTS			
FL AMPS	175.7			FL AMPS			
SF AMPS	209.0			SF AMPS			
SF	1.15	DESIGN	B	CODE	G		
NEMA NOM EFFICIENCY	95.4	NOM PF	76.6	KiloWatt	111.900		
GUARANTEED EFFICIENCY	94.5	MAX KVAR	58.4	HZ	60		

**HAZARDOUS LOCATION DATA (IF APPLICABLE):**

DIVISION		CLASS I		GROUP I	
TEMP CODE		CLASS II		GROUP II	

**VFD DATA (IF APPLICABLE):**

VOLTS		
AMPS		
TORQUE 1		
VFD LOAD TYPE 1		
VFD HERTZ RANGE 1		
VFD SPEED RANGE 1		
TORQUE 2		
VFD LOAD TYPE 2		
VFD HERTZ RANGE 2		
VFD SPEED RANGE 2		
SERVICE FACTOR		
NO. POLES	6	
VECTOR MAX RPM		
Radians / Seconds	1	
FL SLIP		
MAGNETIZING AMPS	82.6	
Encoder PPR		
Encoder Volts		

**TEAO DATA (IF APPLICABLE):**

HP (AIR OVER)		HP (AIR OVER M/S)		RPM (AIR OVER)		RPM (AIR OVER M/S)	
FPM AIR VELOCITY		FPM AIR VELOCITY M/S		FPM AIR VELOCITY SEC			

**ADDITIONAL NAMEPLATE DATA:**

Decal / Plate	WD=499495	Customer PN	
Notes		Non Rev Ratchet	
Max Temp Rise	80C RISE/RES@1.00SF	OPP/Upper Oil Cap	GREASE
Thermal (WDG)		SHAFT/Lower Oil Cap	GREASE
Altitude	05500		
Regulatory Notes		Regulatory Compliance	CC 030A
COS		Marine Duty	
Balance		Arctic Duty	
3/4 Load Eff.	95.9	Inrush Limit	
Motor Weight (LBS)	1200	Direction of Rotation	
Sound Level		Special Note 1	
Vertical Thrust (LBS)		Special Note 2	
Thrust Percentage		Special Note 3	
Bearing Life		Special Note 4	
Starting Method		Special Note 5	
Number of Starts		Special Note 6	
200/208V 60Hz Max Amps		SH Max. Temp.	
190V 50 hz Max Amps		SH Voltage	
380V 50 Hz Max Amps		SH Watts	
NEMA Inertia		Load Inertia	
Sumpheater Voltage		Sumpheater Wattage	
Special Accessory Note 1		Special Accessory Note 16	
Special Accessory Note 2		Special Accessory Note 17	
Special Accessory Note 3		Special Accessory Note 18	
Special Accessory Note 4		Special Accessory Note 19	
Special Accessory Note 5		Special Accessory Note 20	
Special Accessory Note 6		Special Accessory Note 21	
Special Accessory Note 7		Special Accessory Note 22	
Special Accessory Note 8		Special Accessory Note 23	
Special Accessory Note 9		Special Accessory Note 24	
Special Accessory Note 10		Special Accessory Note 25	
Special Accessory Note 11		Special Accessory Note 26	
Special Accessory Note 12		Special Accessory Note 27	
Special Accessory Note 13		Special Accessory Note 28	
Special Accessory Note 14		Special Accessory Note 29	
Special Accessory Note 15		Special Accessory Note 30	

**NIDEC MOTOR CORPORATION**  
ST. LOUIS, MO



TYPICAL NAMEPLATE DATA  
ACTUAL MOTOR NAMEPLATE LAYOUT MAY VARY  
SOME FIELDS MAY BE OMITTED

Nidec trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.

## MOTOR PERFORMANCE

MODEL NO.	CATALOG NO.	PHASE	TYPE	FRAME
NA	D150P3Z-P	3	RE	445T

ORDER NO.	1004240	LINE NO.	100
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MPI:		183146
HP:		150
POLES:		6
VOLTS:		480
HZ:		60
SERVICE FACTOR:		1.15
EFFICIENCY (%):		
	S.F.	95
	FULL	95.4
	3/4	95.9
	1/2	95.7
	1/4	93.5
POWER FACTOR (%):		
	S.F.	77.9
	FULL	76.6
	3/4	71.9
	1/2	61.3
	1/4	39.4
	NO LOAD	2.3
	LOCKED ROTOR	27.6
AMPS:		
	S.F.	209
	FULL	184
	3/4	146
	1/2	115
	1/4	91
	NO LOAD	82.6
	LOCKED ROTOR	1039.5
NEMA CODE LETTER		G
NEMA DESIGN LETTER		B
FULL LOAD RPM		1190
NEMA NOMINAL EFFICIENCY (%)		95.4
GUARANTEED EFFICIENCY (%)		94.5
MAX KVAR		58.4
AMBIENT (°C)		40
ALTITUDE (FASL)		6000
SAFE STALL TIME-HOT (SEC)		30
SOUND PRESSURE (DBA @ 1M)		69
TORQUES:		
	BREAKDOWN{% F.L.}	120
	LOCKED ROTOR{% F.L.}	200
	FULL LOAD{LB-FT}	663.4

NEMA Nominal and Guaranteed Efficiencies are up to 3,300 feet above sea level and 25 ° C ambient

The Above Data Is Typical, Sinewave Power Unless Noted Otherwise

**NIDEC MOTOR CORPORATION**  
ST. LOUIS, MO



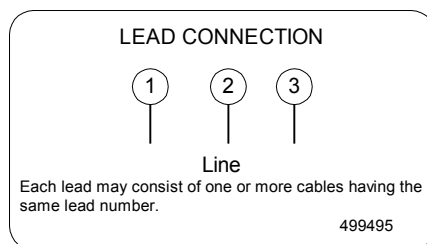
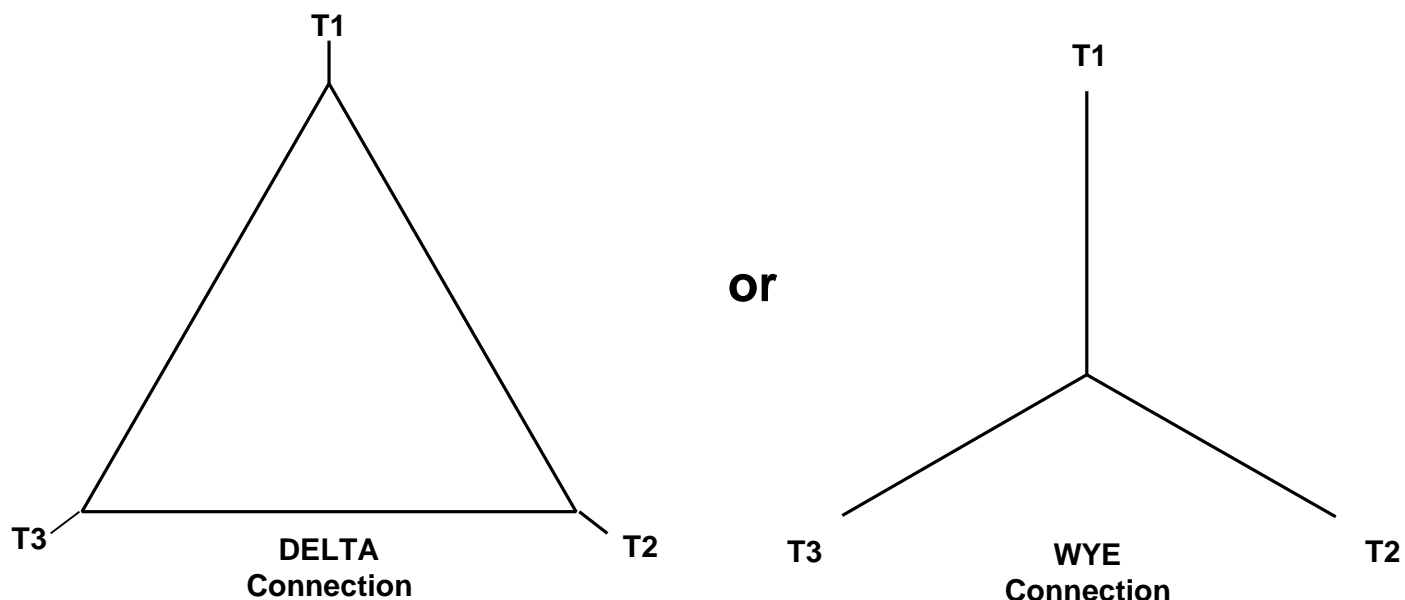
Nidec trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.





499495

## Motor Wiring Diagram

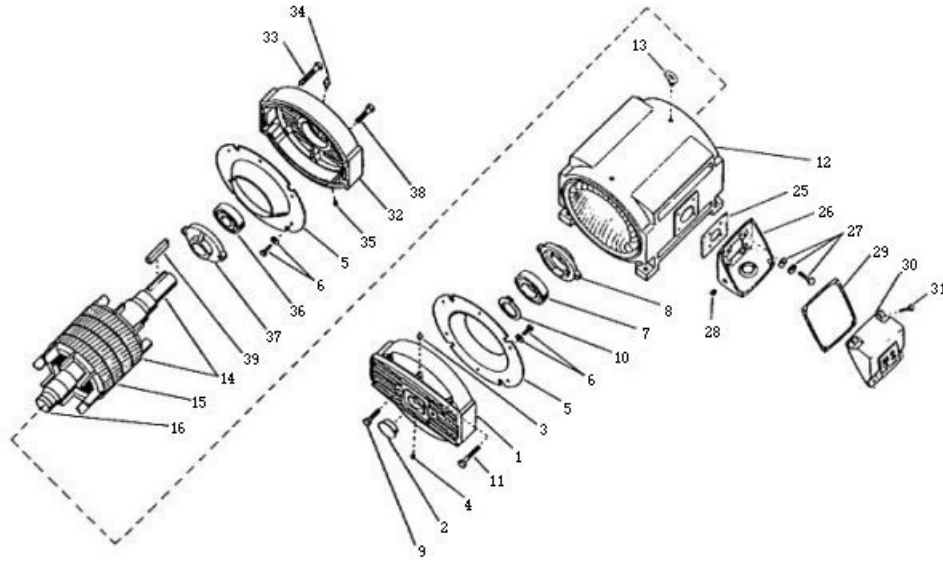


To reverse direction of rotation interchange connections L1 and L2.

Each lead may be comprised of one or more cables.  
Each cable will be marked with the appropriate lead number.

## RENEWAL PARTS

FRAMES 444 THRU 449 - OPEN DRIPPROOF  
TYPES: FR, R, RE, RI



ITEM NO.	QTY	NAME OF PART
1	1	Bracket (Short End)
2	1	Bracket Plug
3	1	Grease Fitting
4	1	Countersunk Hex Pipe Plug
5	2	Air Deflector Assembly
6	12	Hex Head Cap Screw & Lockwasher
7	1	Ball Bearing (Short End) (Refer to section 775)
8	1	Bearing Cap
9	2	Hex Head Cap Screw
10	1	Retaining Snap Ring
11	4	Hex Head Cap Screw (Bracket to Stator)
12	1	Wound Stator Assembly
13	2	Eyebolt
14	1	Rotor Assembly (Includes Items 15 & 16)
15	1	Rotor Core
16	1	Rotor Shaft

### WARNING:

Any disassembly or repair work on explosionproof motors will void the Underwriters Laboratories, Inc. label unless done by the manufacturer, or a facility approved by the Underwriters Laboratories, Inc. Refer to your nearest sales office for assistance.

### BEARINGS:

Refer to motor nameplate for the bearing numbers.

ITEM NO.	QTY	NAME OF PART
17-24	-	Not Used This Assembly
25	1	Gasket (Base to Frame)
26	1	Outlet Box Base
27	4	Hex Head Cap Screw, Plain Washer, & Lockwasher
28	1	Countersunk Hex Head Plug
29	1	Gasket (Cover to Base)
30	1	Outlet Box Cover
31	4	Hex Head Cap Screw (Qty. 6 on some units)
32	1	Bracket (Pulley End)
33	4	Hex Head Cap Screw (Bracket to Stator)
34	1	Grease Fitting
35	1	Countersunk Hex Pipe Plug
36	1	Ball Bearing (Pulley End) (Refer to section 775)
37	1	Bearing Cap
38	2	Hex Head Cap Screw
39	1	Square Key

### PRICES:

Parts stocking distributors: refer to renewal parts numerical index. All Others: refer to your nearest parts distributor.

reference: Renewal Parts Section 700, Page 5

# Suitability of Integral Horsepower (IHP)\* Motors on Variable Frequency Drives

## Variable Frequency Drives (VFD)

All Nidec Motor Corporation inverter duty motors have 40°C ambient, 1.0 SF on Inverter Power, 3300 ft. max altitude, 460 voltage or less line power, up to 10:1 speed range on Variable Torque and Class F Insulation.

Nidec Motor Corporation's INVERTER GRADE® insulated motors exceeded NEMA® MG-1 Part 30 & 31 before the standards were established.

We are a leader in the development of electric motors to withstand pulse width modulated (PWM) drives evolution from power transistors to higher switching frequency insulated gate bipolar transistors (IGBTs).

Today, as the need for medium duty motor inverter applications grows, Nidec Motor Corporation provides products to meet these demands.

Through continued research and development, Nidec Motor Corporation has included the insulation wire from its INVERTER GRADE® motors in all Premium Efficient motors, enhancing their potential inverter compatibility.

Inverter compatibility with motors is complex. As a result, many variables must be considered when determining the suitability of certain types of motors. These variables include:

- Torque requirements (Constant or Variable)
- Speed Range
- Line/System Voltage
- Cable Length between VFD & Motor
- Drive Switching (Carrier) Frequency Motor Construction
- VFD dv/dt
- High Temperatures High Humidity

Wider speed ranges, higher voltages, higher switching frequencies and increased cable lengths all add to the severity of the application and therefore the potential for premature motor failure. Nidec Motor Corporation has differentiated its products into families for your ease of selection for various inverter applications.

## Warranty Guidelines

The information within this section refers to the motor and drive application guidelines and limitations for warranty.

## Hazardous Location Motors

Use of a variable frequency drive with the motors in this catalog, intended for use in hazardous locations, is only approved for Division 1, Class I, Group D hazardous location motors with a T2B temperature code, with a limitation of 2:1 constant torque or 10:1 variable torque output. No other stock hazardous location motors are inherently suitable for operation with a variable frequency drive. If other requirements are needed, including non-listed Division 2, please contact your Nidec Motor Corporation territory manager to conduct an engineering inquiry.

## 575 Volt Motors

575 volt motors can be applied on inverters when output filters are used.

## Applying INVERTER GRADE® Insulated Motors on Variable Frequency Drives (2, 4, 6 pole)

The products within this catalog labeled "Inverter Duty" or "Vector Duty" are considered INVERTER GRADE® insulated motors and allows long cable runs between the motor and the VFD (limited to 400 feet typical without output filters). Cable distance can be further limited by hot and humid environments and VFD manufacturers cable limits. These motors may be appropriate for certain severe inverter application or when the factors relating to the end use application are undefined (such as spares).

Nidec Motor Corporation provides a three-year limited warranty on all NEMA® frame INVERTER GRADE® insulated motors and allows long cable runs between the motor and the VFD (limited to 400 feet typical without output filters). Cable distance can be further limited by hot and humid environments and VFD manufacturers cable limits. These motors may be appropriate for certain severe inverter application or when the factors relating to the end use application are undefined (such as spares).

Nidec Motor Corporation's U.S. Motors® brand is available in the following INVERTER GRADE® insulated motors:

- Inverter Duty NEMA® frame motors good for 10:1 Variable Torque & 5:1 Constant Torque, including Vertical Type RUSI
- Inverter Duty motors rated for 10:1 Constant Torque
- ACCU-Torq® and Vector Duty Motors with full torque to 0 Speed
- 841 Plus® NEMA® Frame Motors

## Applying motors that do not have INVERTER GRADE® insulation on Variable Frequency Drives (2, 4, 6 pole)

Meet NEMA® MG-1, Section IV, Part 31.4.4.2. They can be used with adjustable frequency drives under the following parameters: On NEMA® frame motors, 10:1 speed rating on variable torque loads & 4:1 speed range on constant torque loads. On TITAN® frame motors, 10:1 speed rating on variable torque loads. On TITAN® frame motors, inquiry required for suitability on constant torque loads. Cable distances are for reference only and can be further limited by hot and humid environments. Refer to specific VFD manufacturers cable limits.

Cable Distances			
Maximum Cable Distance VFD to Motor			
Switching Frequency	460 Volt	230 Volt	380 Volt
3 KHz	127 ft	400 ft	218 ft
6 KHz	90 ft	307 ft	154 ft
9 KHz	73 ft	251 ft	126 ft
12 KHz	64 ft	217 ft	109 ft
15 KHz	57 ft	194 ft	98 ft
20 KHz	49 ft	168 ft	85 ft

**Applying Standard & Energy Efficient Motors on Variable Frequency Drives is not recommended. VFD related failures on standard and energy efficient motors 444 frame and above will not be covered under warranty.**

\*This information applies only to Integral Horsepower (IHP) motors as defined on the Agency Approval page, under UL® & CSA® listings where indicated.

† All marks shown within this document are properties of their respective owners.



# Motor / Inverter Compatibility

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## Thermal Overloads and Single Phase Motors

Motors with thermal overloads installed may not operate properly on a VFD. The current carrying thermal overload is designed for sine wave power. Operation on a VFD may cause nuisance tripping or potentially not protect the motor as would be expected on line power. Thermo-stats or thermistors installed in the motor and connected properly to the VFD may provide suitable thermal overload protection when operating on a VFD. (Consult Codes)

Single phase motors and other fractional horsepower ratings are not designed to be operated on a VFD. Within Nidec Motor Corporation standard products, all motors NEMA<sup>®†</sup> 48 frame (5.5" diameter) and smaller are not suitable for VFD applications. Three phase 56 and 143/145 frame applications should be noted on the catalog price page; or if in doubt ask a Nidec Motor Corporation technical representative for recommendations on compatibility with a VFD.

## Slow Speed Motors

Motors with a base design of slower than six poles require special consideration regarding VFD sizing and minimizing harmonic distortion created at the motor terminals due to cable installation characteristics. Additional external PWM waveform filters and shielded motor cables designed for PWM power may be required to provide acceptable motor life. Harmonic distortion on the output waveform should be kept to a minimum level (less than 10%).

## 690V Applications

Motors that will be applied to 690VAC PWM VFDs require the use of an external filter to limit peak voltage spikes and the use of an INVERTER GRADE<sup>®</sup> motor. Where available, an alternative to using an output filter is to upgrade to a 2300V insulation system.

## Low Voltage TITAN<sup>®</sup> Motors

When using 449 frame and larger motors on PWM type VFDs consider the use of an external filter and shielded motor cables designed for PWM power to minimize harmonic distortion and peak voltages at the motor terminals. Harmonic distortion on the output waveform should be kept to a minimum level (less than 10%).

## Bearing Currents related to PWM waveform

Due to the uniqueness of this condition occurring in the field, protection of the motor bearings from shaft currents caused by common mode voltages is not a standard feature on sine wave or Inverter Duty motor products, unless explicitly noted. Some installations may be prone to a voltage discharge condition through the motor bearings called fluting.

Fluting damage is related to characteristics of the PWM waveform, VFD programming and characteristics and installation.

Bearing fluting as a result of VFD waveform characteristics may be prevented by the installation of a shaft grounding device such as a brush or ring and/or correction of the installation characteristics causing the shaft voltage condition. Insulated bearing(s) may be required. VFD filters may be needed if bearing fluting is to be avoided.

## Multiple Motors on a Single VFD

Special considerations are required when multiple motors are powered from a single VFD unit. Most VFD manufacturers can provide guidelines for proper motor thermal considerations and starting/stopping of motors. Cable runs from the VFD and each motor can create conditions that will cause extra stress on the motor winding. Filters may be required at the motor to provide maximum motor life.

## Grounding and Cable Installation Guidelines

Proper output winding and grounding practices can be instrumental in minimizing motor related failures caused by PWM waveform characteristics and installation factors. VFD manufacturers typically provide detailed guidelines on the proper grounding of the motor to the VFD and output cable routing. Cabling manufacturers provide recommended cable types for PWM installations and critical information concerning output wiring impedance and capacitance to ground.

## Vertical Motors on VFDs

Vertical motors operated on VFD power present unique conditions that may require consideration by the user or installation engineer:

- Non-reversing-ratchet operation can interfere at low speeds (up to 300 RPM) causing locked rotor and drive tripping.
- Unexpected / unacceptable system vibration and or noise levels caused by the torque pulsation characteristics of the PWM waveform, a system critical frequency falling inside the variable speed range of the process or the added harmonic content of the PWM waveform exciting a system component
- Application related problems related to the controlled acceleration/ deceleration and torque of the motor on VFD power and the building of system pressure/ load.
- The impact the reduction of pump speed has on the down thrust reflected to the pump motor and any minimum thrust requirements of the motor bearings
- Water hammer during shutdown damaging the non-reversing ratchet

## Humidity and Non-operational Conditions

The possible build-up of condensation inside the motor due to storage in an uncontrolled environment or non-operational periods in an installation, can lead to an increased rate of premature winding or bearing failures when combined with the stresses associated with PWM waveform characteristics. Moisture and condensation in and on the motor winding over time can provide tracking paths to ground, lower the Megohm resistance of the motor winding to ground, and lower the Corona Inception Voltage level of the winding.

Proper storage and maintenance guidelines are important to minimize the potential of premature failures. Space heaters or trickle voltage heating methods are the preferred methods for drying out a winding that has low megaohm readings. Damage caused by these factors are not covered by the limited warranty provided unless appropriate heating methods are properly utilized during non-operational periods and prior to motor start-up.

**NEMA<sup>®†</sup> Application Guide for AC Adjustable Speed Drive  
Systems: <http://www.nema.org/stds/acadjustable.cfm#download>**

\*This information applies only to Integral Horsepower (IHP) motors as defined on the Agency Approval page, under UL<sup>®†</sup> & CSA<sup>®†</sup> listings where indicated.

† All marks shown within this document are properties of their respective owners.



# Control/Switchgear Description

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We are pleased to offer the following quotation for the proposed 100kW Pleasant Grove Hydro Project's electrical controls and switchgear. Intertie utility is Rocky Mountain Power. Was not supplied with interconnect requirements for Rocky Mountain Power, will utilize IEEE 1547 as a guideline. This quotation is offered based on standard requirements for a project of this size. Project requirements may cause changes to the proposed equipment list and thus alter final prices.

## Project General Information

The power plant will consist of one Pelton turbine-driven generator. The Pelton turbine will have hydraulically operated dual needle nozzles and deflector. The generator will be of the induction type, rated 480V, 3Ø, 60Hz, and rated 100kW. The controls will consist of manual hardwire control and PLC based automatic control. Automatic control will consist of auto start and auto nozzle position control. The generator will be placed on line when the unit is at rated speed by a dedicated main contractor.

## Switchgear/Control Equipment List

Qty	1-	Double-Door, NEMA 12, Free-Standing Enclosure, painted with ASA61 gray paint
	1-	Main Circuit Breaker, 175AT/250AF, 480V, 35kA 3-pole fixed mount
	1-	Generator Main Contactor, 480V, 3 Pole, Rated 180A
	2-	(BPT) Bus Potential Transformer (4/1)
	1-	(CPT) Control Power Transformer (1000VA)
	3-	(CT) Current Transformers (200/5)
	1-	(12/13) Speed Relay/Tachometer
	1-	(MFR) Multifunction Protective Relay: (27/59) Under Over Voltage, (32R) Reverse Power, (40) Loss of Excitation, (47) Phase Sequence, (51V) Volt Restrained Overcurrent, (59G) Ground Overvoltage, (81O/U) Over/Under Frequency (utility grade)
	1-	(86) Lockout
	1-	(86V/F) Volt/Frequency Lockout Relay
	2-	(39) Vibration Trip Circuit
	1-	(63) Hydraulic Low Pressure Trip Circuit
	1-	(AM) Ammeter, 3½ in., 2%, (0-200A)
	1-	(DMM) Digital Multimeter (V, A, kW, PF, kVAR, Hz, kWH)
	1-	(HM) Hourmeter, 3½ in., 2%
	2-	(NM) Nozzle Meter, 3½", 2% (0-100%)
	1-	(VM) Voltmeter, 3½ in., 2% (0-600V)
	1-	(1CS) Start-Stop Control Switch
	1-	(AS) Ammeter Switch, 3-position with off
	1-	(DCS) Deflector Control Switches (Close-Open)
	1-	(ES) Emergency Stop
	1-	(MS) Mode Switch (Off-Local-Remote)
	2-	(NCS) Nozzle Control Switches (Open-Close)
	1-	(VS) Voltmeter Switch, 3-position with off
	2-	Breaker Indicating Lights (Open/Close)
	2-	Deflector Position Indicating Lights (Close-Open)
	4-	Nozzle Position Indicating Lights (Close/Open)
	2-	Start/Stop Indicating Lights
	1-	(PLC) Programmable Logic Controller

- 1- (OIU) Operator Interface Unit (6" Color Touch Screen)
- 1- Lot Nozzle Position Control
- 1- Fault Annunciator, 15-point
- 1- Lot Auxiliary Relays, Timers, and Controls
- 1- Lot Field Interconnect Terminal Blocks
- 1- Lot Test Switches
- 1- Lot Engraved Nameplates
- 1- Lot Control Fuses
- 1- Lot Interface with Turbine Hydraulic Pump Unit (HPU supplied by others)
- 1- Lot Interface with Penstock Pressure Transducer
- 1- Lot Interface with Facility PLC (supplied and programmed by others)

### Miscellaneous Ship Loose Equipment

Qty 1- Magnetic Speed Pickup

### Equipment Dimensions

The proposed dimensions for the switchgear and control panel are as follows:

Switchgear/Control Cubicle 72"(H) x 60"(W) x 12"(D)

### Equipment Manufacturers

The following equipment manufacturers are proposed. BAT ELECTRIC reserves the right to substitute equipment of equal quality at time of manufacturer.

Generator Circuit Breaker, 600V	General Electric
Protective Relay	Beckwith
Digital Multi Meter	Multitek
Meters, 3½", 2%	Crompton
Switches	Shallco/General Electric
Instrument Transformers	GE-ITI
Indicating Lights	General Electric
Auxiliary Relays	General Electric/Idec
Programmable Logic Controller	Automation Direct DL205

### Optional Equipment

1. 4 Point RTD Input Module for DL205 PLC. Temperature status, alarm and trip displayed on OIU.

**Net Adder**.....\$ 1,300.00 Each

2. 24VDC VRLA Battery Bank 100AH with 20 amp charger and rack.

**Net Adder**.....\$ 6,875.00

3. Power Factor Corrective Capacitor Bank (max. 30kVAR) switched with a 60Amp Contactor. Generator Power Factor to be corrected from 0.80PF to 0.92PF.

**Net Adder**.....\$ 1,860.00

4. Add dedicated ground over current relay with test block.

**Net Adder**.....\$ 1,600.00

5. Supply Software for PLC and OIU Programming.

**PLC Software**.....\$ 650.00

**OIU Software**.....\$ N/C

6. Bench Test Multi Function Protective Relay

**Net Adder**.....\$ 1,875.00

7. Supply 4 Channel or 8 Channel Dialer with Rechargeable Battery.

**Net Adder** 4 Channel..... \$ 1,625.00

**Net Adder** 8 Channel..... \$ 2,200.00

This quote has not allowed any provisions for taxes or duties required in shipping into or out of the State of California. Any extra charges incurred by BAT ELECTRIC for shipping or taxes will be billed on a cost basis. The prices listed in this quotation are effective for six (6) months from the date of this letter.

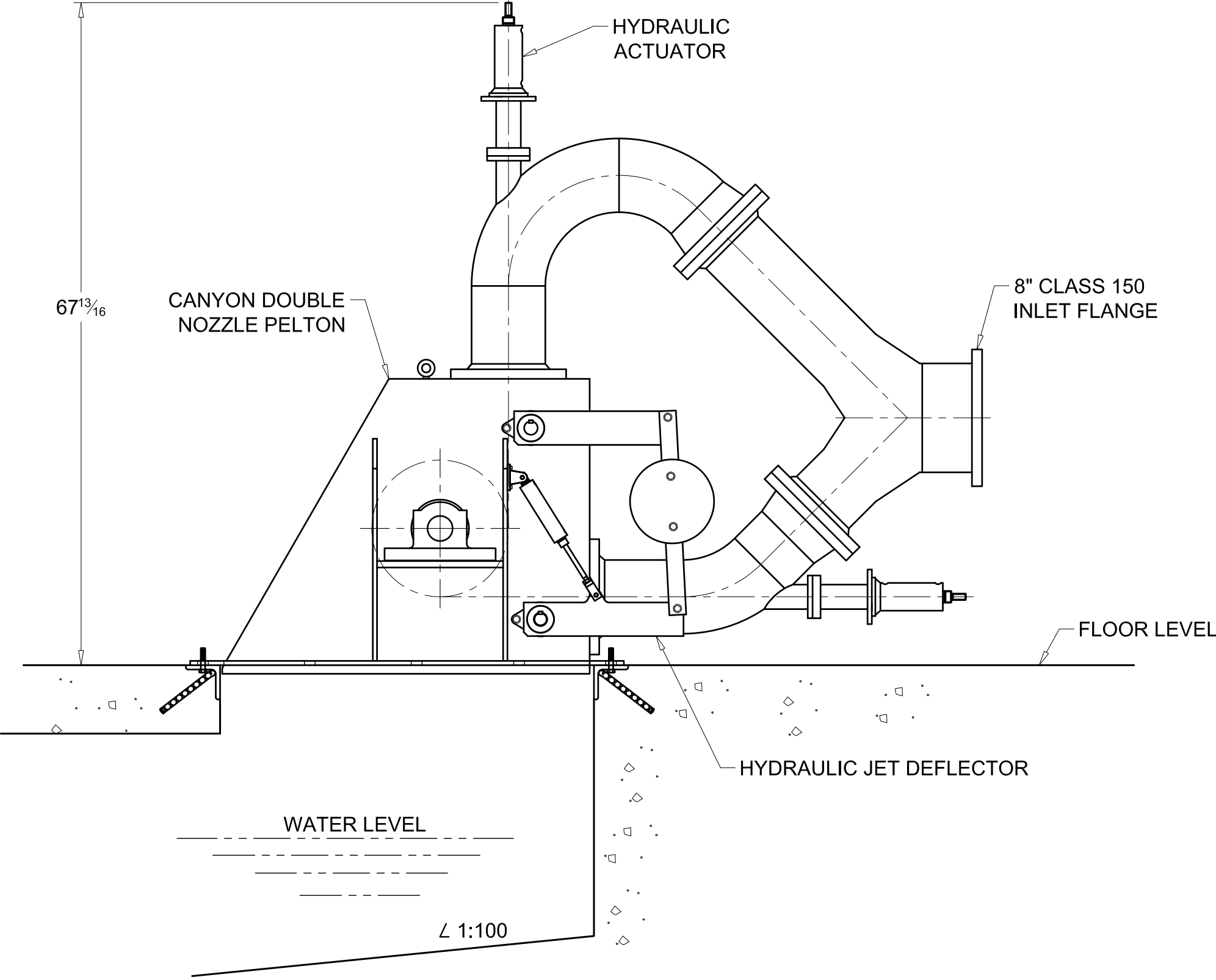
The control panel and switchgear will include four (4) sets of as-built drawings and manuals. The manuals will include manufacturers' published instructions, operation sequence, standard maintenance guideline, material list, suggested spare parts list, and terminal block interconnect diagrams.

The switchgear and controls will be completely shop tested before shipment. One site relay calibration and high potential testing is not included in this quotation. Bat Electric has offered as an option to have the multifunction protective relay bench tested. This includes supplying a certified test report by an independent third party.

This switchboard panel is not configured to be shop UL Labeled. If panel labeling is required, panel will have to be reconfigured into an MCC (Motor Control Center) line up, price of panel will be affected. The other option is to have panel ETL field inspected, customer should allow between \$3,000.00-\$5,000.00 for third party inspection.


Startup service is available at the rate of \$1,000.00 per day, plus expenses. For a project of this size, you should allow approximately 3-6 days to verify installation, start up the units, parallel to utility and tune auto restart. Will need to allow additional field service days for OIU programmer if changes to OIU screens are required.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



DIMENSIONS IN INCHES ARE APPROXIMATE  
NOT INTENDED FOR CONSTRUCTION

PLEASANT GROVE REV1



5500 Blue Heron Lane  
Deming, Washington 98244  
(360) 592-5552

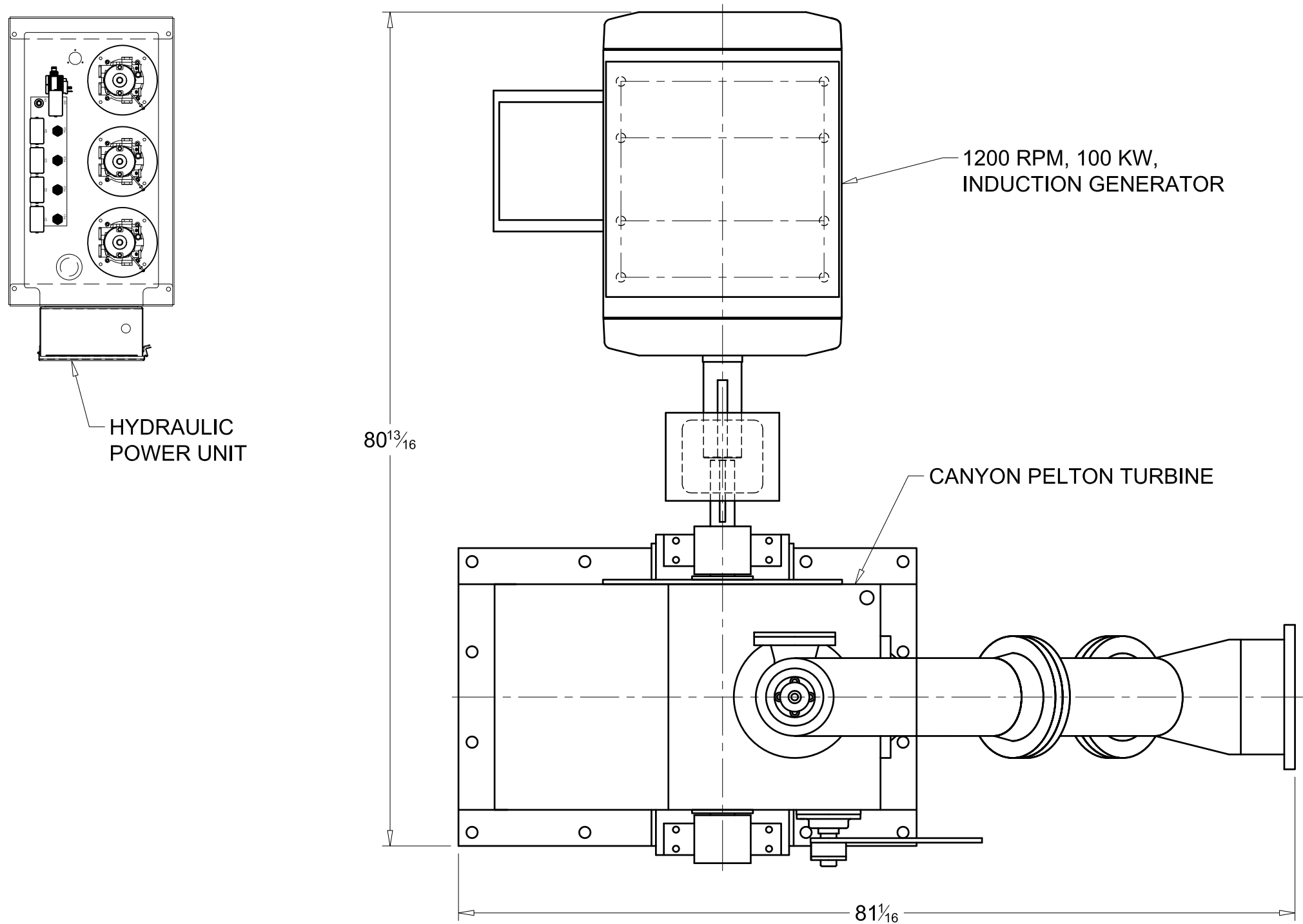
the water power division of Canyon Industries, Inc

FILE: ELEVATION VIEW

DATE: 2014-06-05




REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



DIMENSIONS IN INCHES ARE APPROXIMATE  
NOT INTENDED FOR CONSTRUCTION

PLEASANT GROVE REV1



5500 Blue Heron Lane  
Deming, Washington 98244  
(360) 592-5552

the water power division of Canyon Industries, Inc

FILE: PLAN VIEW

DATE: 2014-06-05



## Comments and Exceptions

### *Pleasant Grove Hydroelectric Project*

Section 00520 Article 6.02A. Canyon Hydro call exception to the requested payment terms and offers the following as an alternative.

<u>Goods and Services Provided Payment</u>	<u>(Cumulative %)</u>
Receipt of Signed Agreement and Authorization to Proceed with Design	10
Submittal Package Approval	35
Notification equipment is ready to ship	90
Receipt and acceptance of all equipment in acceptable condition including Operations and Maintenance Manuals, Completion of Start-up, Field Testing, Installation Check Training, etc., and Final Acceptance by OWNER	100

Section 00700 Article 4. Canyon Hydro offers our proposal based on the attached insurance levels that we currently maintain.

Section 00700 Article 5.10. Canyon Hydro offers our proposal based on our standard warranty included with our proposal.

Section 00700 Article 11. The project schedule will be affected if contractual payments are delayed.

Section 01610 Article 1.12. Canyon will make field service technicians or engineers available on an as needed basis for supervision of installation following our included Field Service Rates. Our amended bid allows for one mechanical and one electrical technician to travel and be onsite for (1) days each. Adder includes travel days, transportation, and lodging. If additional time is needed, our field service rates would apply.

Section 01750. Canyon will make field service technicians or engineers available on an as needed basis for testing, training and startup following our included Field Service Rates. See above amended price

Section 15645 Part 2.2 D, Canyon proposed a runner machined from CF8M to A743 rather than the CA6NM requested. If CA6NM is technically required, please allow for an adder of \$4,000.00.

Section 15645 Part 2.2 E. It is not clear to us what the discharge chamber is. Our intent is for the turbine housing to set over the concrete tailrace well.

Section 15645 Part 2.3 Canyon offers a NIDEC generator according to the attached generator submittals.

Section 15645 Part 3.4 Canyon will make field service technicians or engineers available on an as needed basis startup and initial operation services following our included Field Service Rates. We have not included these costs in our base price.

## **RESOLUTION NO. 2014-033**

### **A RESOLUTION AMENDING THE FEE SCHEDULE FOR RENTAL OF THE LIONS/SPORTSMAN CENTER AND JACOBS SENIOR CITIZEN CENTER FACILITIES AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, Pleasant Grove City owns and operates certain facilities known as the “Lions/Sportsman Center” and the “Jacobs Senior Citizen Center”; and

**WHEREAS**, the Pleasant Grove City Council has adopted a policy and fee schedule governing the rental of the subject facilities; and

**WHEREAS**, the City Council has become aware of the need to amend said policy and fee schedule due to increased wear and tear on the facilities and the need to hire additional staffing; and

**WHEREAS**, Utah State Code grants municipalities the power to establish a fee schedule for services; and

**WHEREAS**, the City Council has determined that it is necessary to provide for additional staff to supervise the use of the Lions/Sportsman Center and Jacobs Senior Citizen Center; and

**WHEREAS**, after consideration of the current rental rate, the Pleasant Grove City Council finds and determines that it is not sufficient to cover the true costs of renting the facilities; and

**WHEREAS**, the City Council in the best interests of the health, safety and general welfare of its current and future residents to adopt this resolution adjusting the present fee schedule.

**NOW, THEREFORE, BE IT RESOLVED** by the Pleasant Grove City Council as follows:

**SECTION 1.** The rental rates for the Lions/Sportsman Center and Jacobs Senior Citizens Center shall be as follows:

<u>Deposit</u>	\$250
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Rental Fee

(Resident)	\$100 first 1 ½ hours - \$50 per hour after first 1 ½ hours No Daily Rental
(Non-Resident)	\$125 first 1 ½ hours - \$75 per hour after first 1 ½ hours No Daily Rental
(Commercial- Resident)	\$150 first 1 ½ hours- \$100 per hour after first 1 ½ hours No Daily Rental
(Commercial- Non-Resident)	\$175 first 1 ½ hours- \$125 per hour after first 1 ½ hours No Daily Rental

3. This rate change is effective beginning August 6, 2014.

**SECTION 2.** SEVERABILITY. The sections, paragraphs, sentences, clauses, and phrases of this Resolution are severable. If any such section, paragraph, sentence, clause, or phrase shall be declared invalid or unconstitutional by the valid judgment or "decree of a Court of competent jurisdiction, such invalidity or unconstitutionality shall not affect the validity of constitutionality of any of the remaining sections, paragraphs, sentences, clauses, or phrases of this Resolution.

**SECTION 3.** EFFECTIVE DATE. This resolution shall take effect immediately upon its passage and posting as provided by law.

**SECTION 4.** PASSED AND APPROVED AND MADE EFFECTIVE by the City Council of Pleasant Grove City, Utah County, Utah, this 5<sup>th</sup> day of August, 2014.

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Michael W. Daniels, Mayor

ATTEST:

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Kathy T. Kresser, CMC  
City Recorder

## **ORDINANCE NO. 2014-31**

**AN ORDINANCE OF PLEASANT GROVE CITY, UTAH COUNTY, UTAH, AMENDING TITLE 7 SECTION 3 “CEMETERY REGULATIONS” OF THE PLEASANT GROVE MUNICIPAL CODE BY ADOPTING NEW REGULATIONS WHICH INCLUDES NEW REPORTING AND RECORD KEEPING REQUIREMENTS TO BE IN COMPLIANCE WITH STATE LEGISLATION AND OTHER RELATED MATTERS; AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, Pleasant Grove City owns and maintains a cemetery; and

**WHEREAS**, Said cemetery is regulated in part by municipal ordinance; and

**WHEREAS**, the Utah State Legislature adopted new legislation which includes new reporting and record keeping requirements; and

**WHEREAS**, Pleasant Grove City desires to be in compliance with the state legislation; and

**WHEREAS**, the Pleasant Grove City Council has the authority to amend city ordinances when required; and

**WHEREAS**, the City Council held a duly noticed public meeting on August 6, 2014 where said proposed amendments were discussed; and

**WHEREAS**, the City Council finds that it is in the best interest of the health, safety and welfare of the citizens of Pleasant Grove to approve said amendments.

**SECTION 1.** Title 7 Chapter 3 “Cemetery Regulations” of the Pleasant Grove Municipal Code is hereby amended to read as follows:

### **7-3-1: OFFICE OF SEXTON CREATED:**

There is created the office of sexton. (Ord. 2009-8, 3-17-2009)

### **7-3-2: DUTIES OF SEXTON:**

It shall be the duty of the sexton to take charge of the cemetery and to improve the ground therein under the direction of the city council or their designee; to dig or cause to be dug all graves required for the burial of the dead therein; to keep a record of the same and perform such other duties in relation to the cemetery as may be required. (Ord. 2009-8, 3-17-2009)

### **7-3-3: RESIDENT DEFINED:**

For the purpose of this chapter, "resident" means a person who has lived in the city for thirty one (31) days prior to the use of a gravesite. (Ord. 2009-8, 3-17-2009)

### **7-3-4: BURIAL RIGHTS:**

A. All property including lots, plots, and grave sites within the cemetery are owned by the City. A burial right is simply a right to be buried in the cemetery.

B. Burials per Lot: Only one burial shall be allowed per lot. Exceptions include:

1. Double deep burials permitted in accepted areas.
2. The burial of two infants or eight cremated remains as space in the lot may permit, or
3. Placement of an infant or cremation buried on top of an existing grave of a family member with the written approval of the lot owner and sexton.

### **7-3-5: SALE OF LOTS; MAINTENANCE:**

A. Perpetual Maintenance: Any person who has heretofore purchased a burial right in a lot, part of a lot or individual burial site in the cemetery which is not provided perpetual care may, and any person who shall hereafter purchase a burial right in a lot, part of a lot or individual burial site shall, pay into the treasury the appropriate fee, as adopted by resolution of the city council, for each burial site to be occupied by a resident or nonresident of the city. After the fees have been paid, the city shall thereafter, at its own expense, care for, maintain and furnish water for and irrigate the lot, part of lot or individual burial site in grass or some type of vegetation.

B. Right to Maintain: The City is responsible for the maintenance of the cemetery. The City reserves the right to enter upon a lot to perform all work necessary for the maintenance of the cemetery. This may include, but is not limited to, the removal of trees, shrubs, and flowers.

C. Transfer: No burial site shall be transferred from one individual to another unless the payments for care are paid in full. (Ord. 2009-8, 3-17-2009)  
Resident to Resident Fee = according to current fee schedule  
Family to Family Fee = according to current fee schedule (Family defined as spouse, parent, child, grandparent, sibling or grandchild)  
Resident to Non-Resident Fee = according to current fee schedule and the difference between what was originally paid and the current non-resident fee.

### **7-3-6: PRIVATE IMPROVEMENTS PROHIBITED**

A. Private Improvements to lots are Prohibited. It shall be unlawful for any person to erect or maintain any structure, fence, corner post, coping, or hedge of any kind upon any lot, street, or driveway in the cemetery, or grade the ground or land thereof.

B. Plantings. It shall be unlawful for any person to plant shrubs, trees, lawns, flowers, etc., place decorative stones, place headstones, or other permanent items or structures upon any lot in the cemetery without the approval of the sexton.

C. Removal and Resetting of Headstones. Once a headstone has been installed, the City shall not be responsible for the removal and resetting of that headstone. It shall be the responsibility of the burial right owner or purchaser to arrange for the removal of the headstone by a monument company. The City shall not be liable for any damage to the headstone or vases that may occur during the removal or resetting process.

### **7-3-7: UNUSED LOTS; CITY RIGHTS:**

If, for a period in excess of sixty (60) years and one day of purchase of any cemetery lot, the grantee, or person claiming through the grantee, has not used portions of the lots or parcels for purposes of burial and has not provided for the care of the lots or parcels beyond that uniformly provided for all lots of the cemetery, and during the sixty (60) year period has not given the city written notice of any claim or interest in the lots or parcels, the city may, by following the procedures set forth in section 8-5-8, Utah Code Annotated, 1953, as amended, or its successor, demand of the grantee or persons claiming through the grantee, either:

- A. That they file with the city sexton/maintenance supervisor a written notice of claim or interest in and to the lots or parcels accompanied by evidence of their claim within fifty (50) days after service of a copy of notice of demand. (Ord. 2009-8, 3-17-2009)

### **7-3-8: ALTERNATIVE COUNCIL PROCEDURES FOR NOTICE; TERMINATION OF RIGHTS:**

- A. As an alternative to the procedure set forth in section ~~7-3-5~~ 7-3-7 of this chapter, the city council may pass a resolution demanding that the owner of a lot, site, or portion of the cemetery, which has been unused for burial purposes for more than sixty (60) years, file with the city recorder notice of any claim to the lot, site, or parcel.
- B. The city council shall then cause a copy of the resolution to be personally served on the owner in the same manner as personal service of process in a civil action. The resolution shall notify the owner that the owner must, within sixty (60) days after service of the resolution on the owner, express interest in maintaining the cemetery lot and submit satisfactory evidence of an intention to use the lot for burial.
- C. If the owner cannot be personally served with the resolution of the city council as required in subsection B of this section, the city council shall publish its resolution for three (3) successive weeks in a newspaper of general circulation within Utah County and mail a copy of the resolution within fourteen (14) days after the publication to the owner's last known address, if available.
- D. If, for thirty (30) days after the last date of service or publication of the city council's resolution, the owner or person with a legal interest in the cemetery lot fails to state a valid interest in the use of the cemetery lot for burial purposes, the owner's rights are terminated and that portion of the cemetery shall be vested in Pleasant Grove City Corporation. (Ord. 2009-8, 3-17-2009)

### **7-3-9: PURCHASE OF UNUSED LOTS BY CITY SEXTON/MAINTENANCE SUPERVISOR:**

The city sexton/maintenance supervisor, when directed so to do by the mayor, may purchase for the city, with funds provided for that purpose by the city council, any unused lots or portions of lots located in the city cemetery at a price of one-half ( $\frac{1}{2}$ ) the current resident rate. It is unlawful, however, for the sexton/maintenance supervisor or any other employee of the city to trade, deal in or make a profit, directly or indirectly, out of any transaction involving the sale, purchase or transfer of any cemetery lot. (Ord. 2009-8, 3-17-2009)

### **7-3-10: DUTIES OF THE CITY:**

A. Burials. The City shall prepare a lot for burial upon request and after a Certificate of Burial Rights has been issued by the City. The City shall provide supervision for every interment and disinterment.



### **7-3-11: RECORDS:**

The city recorder shall keep a record in a book to be kept for the purpose of all conveyances executed as provided in this chapter, stating the number of lot and block conveyed, and the amount received for the same. (Ord. 2009-8, 3-17-2009) The City of Pleasant Grove will record and maintain a record of each Certificate of Burial Right. All Certificates will be recorded with Utah County bi annually, no later than January 1 and July 1 of each year. The City of Pleasant Grove will file an accurate plat of the cemetery with Utah County clearly showing sections of burial lots which have been disposed of and the names of persons owning each Burial Right and sections of Burial Rights held for disposal. Additional plats for additions to the cemetery will be filed with Utah County before offering for sale any Burial Rights located in the cemetery.

### **7-3-12: INTERMENTS:**

No body of any deceased person shall be interred within the limits of the city except in the cemetery, or in such other cemetery as may be hereafter established by consent of the city council. No body of any deceased person shall be interred in any cemetery, nor taken beyond the limits of the city for interment, except by a written permit signed by a funeral director; nor shall a railroad or other common carrier of any such person receive any body for transportation beyond the limits of the city without such permit. (Ord. 2009-8, 3-17-2009)

### **7-3-13: DEATH CERTIFICATE REQUIRED:**

Before burying any dead body in any cemetery, and before transporting any dead body beyond the limits mentioned herein, the relatives or any other person having charge of the body must furnish to the sexton or his designee a statement in writing of the death, which shall be recorded by him. The statement, as well as the record, shall include the name of the person deceased with the names of his parents or other relatives, if known; when and where born, if known; the date and cause of death, together with the name of the attending physician, if any, or coroner, as the case may be; also the date of burial, as well as the name of the cemetery, with the number of the lot where the body is buried, and such other pertinent facts as may be necessary; or if transported beyond the limits mentioned in this chapter, the place of designation. (Ord. 2009-8, 3-17-2009)

### **7-3-14: PERMITS REQUIRED FOR BURIAL, DISINTERMENT:**

It is unlawful for any person to bury the body of a deceased person in the cemetery without first paying for and obtaining as herein provided a certificate of purchase of the lot used or if he does not own or purchase a lot, without furnishing a written permit from the owner or nearest relative of the owner thereof, which permit shall be filed with the city recorder. It is unlawful for anybody to be buried in the cemetery or in any other cemetery within the limits of the city except under the direction of the sexton; ~~and before disinterment, the sexton shall require a permit from the county board of health and a written order from the owner of the lot authorizing such removal, which order he shall file and preserve, and all such removals shall be recorded in a book kept for that purpose. It is unlawful for any person to remove the body of a person who has died of a contagious disease within two (2) years from the date of burial, unless the body has been buried in a hermetically sealed coffin, and is found to be encased.~~ (Ord. 2009-8, 3-17-2009)

A. Disinterment. The City must balance its responsibility for the health, welfare, and safety of its employees with the request of a burial lot owner when asked to disinter human remains. Any request to disinter human remains shall comply with all applicable federal, state and local laws.

B. Permitted. Subject to applicable federal, state and local laws, the City shall honor a request to disinter human remains upon written court order or a written request on a form provided by the City

from the owner of the burial rights providing the disinterment may be accomplished without endangering the health, safety, or welfare of the city's staff or the public. The City may on its own initiative disinter human remains in instances where a natural or manmade disaster has exposed a grave and disinterment is necessary to protect the public health, safety, or welfare.

C. Prohibited. The City shall not disinter the remains of a person who died from a contagious disease within two years after the date of burial, unless the body was buried in a hermetically sealed casket or vault and is found to be so encased at the time of disinterment.

D. City's Duties. The City Sexton shall determine whether a disinterment poses a danger to the health, safety, and welfare of city staff or the public. The City Sexton may refuse to perform a disinterment if he determines there is a danger to the health, safety, and welfare of city staff or the public. The City Sexton may also refuse to authorize a disinterment if he determines that the disinterment would disturb or damage an adjacent burial lot. The City Sexton may make his determination at any time during the disinterment process.

Upon the determination that a disinterment poses no danger to the health, safety, or welfare of city staff or the public and that the disinterment would not disturb or damage an adjacent burial lot, the City shall excavate and refill the burial lot. The City shall comply with any court order.

E. Requestor's Duties. Absent a court order and at least (7) seven working days prior to a disinterment, the requesting party shall submit a disinterment permit from the County Board of Health, the City's Disinterment Affidavit of Kinship and Indemnification Agreement Form and pay all applicable fees prior to the City commencing any disinterment.

The requestor shall arrange for and pay any associated costs for a funeral director to be present at a disinterment.

The requestor shall arrange for and pay any associated costs for a licensed vault company to remove the vault and its contents from the burial lot. If the burial lot does not contain a vault or the City Sexton determines the existing vault has deteriorated to the point that it will not retain its structural integrity during the disinterment, the requesting party shall replace the deteriorated vault with a structurally sound vault at the requestor's expense. The requestor shall arrange to dispose of any old vault in a manner meeting federal, state, and local laws.

F. Liability. The City assumes no liability for any property damage, including damage to a casket, vault, headstone, etc. or for bodily injury sustained during a disinterment due to causes beyond its reasonable control. The City is not liable for acts or omissions of any third party for any reason. The City is not liable for damage to the contents of any casket or adjacent lots due to causes beyond its reasonable control. The City is not liable for any mental anguish, shock, or intentional or negligent infliction of emotional distress arising out of any disinterment.

### **7-3-15: ONLY HUMAN REMAINS TO BE BURIED:**

Only Human remains may be buried in the cemetery.

### **7-3-16: RECORDATION:**

The sexton shall keep in a good and substantial and well bound book, a true and complete record of the death and place of burial of every person so reported to him, the book to be furnished at the expense of the city. All records kept in pursuance of this chapter shall be the property of the city, and at all reasonable times shall be open to the inspection of the public, and at the expiration of his term of office the sexton shall turn all such property over to his successor in office; and he shall report fully to the city council as is required by that body. (Ord. 2009-8, 3-17-2009)

### **7-3-~~17~~: MARKERS AND VAULTS: HEADSTONES AND VAULTS:**

- A. No person owning a lot Burial Right in the city cemetery or any person or firm selling ~~markers~~ headstones to persons owning lots burial rights in the cemetery shall plant, grade or do any work in the cemetery except by written authority had and obtained from the city recorder or sexton. The city council shall, by resolution, designate the type of ~~markers~~ headstones, grade of ground, plantings and other improvements which may be permitted in the city cemetery. No ~~marker~~ headstone of any kind shall be placed in or on a lot on which perpetual care has not been paid for, and it shall be the duty of the sexton to see that no such ~~markers~~ or headstones of any kind are placed in the cemetery where perpetual care is maintained, except where permission is first had and obtained. In no event shall any headstone ~~or marker~~ be placed in the cemetery unless the headstone is constructed with a four inch (4") to six inch (6") plate extending horizontally from the base of the headstone and may not be wider than 40 inches (40") for a single grave or eighty inches (80") for a double grave and a height of no more than twenty-eight inches (28") in order that maintenance of the cemetery may be facilitated. One ~~marker~~ or headstone is allowed per person, per grave; military footnotes are the only exception. No person shall place ~~markers~~ or headstones during the months of December through March and one week prior to, during or one week following Memorial Day. Unauthorized placement of headstones will be subject to removal.
- B. Any person that purchases a ~~marker~~ or headstone to be placed in the cemetery bears all responsibility for any damage that may occur after being placed in the cemetery. This includes potential damage from the operation of cemetery equipment, vandalism, vault and headstone companies, accidents, acts of nature, etc. ~~Markers and~~ Headstones are placed at your own risk. The city is not responsible for damage to any item placed on a ~~marker~~ or headstone such as flower stands, wire baskets, decorations or anything placed on ~~markers~~ or headstones that could potentially be damaged.
- C. ~~No interment shall be made in the cemetery unless the body is placed in a cement vault meeting the requirements as to strength as provided by the sexton. (Ord. 2009-8, 3-17-2009)~~ It shall be unlawful for any person to be buried in the cemetery unless the casket is placed in a City approved vault made of concrete or another material that has similar structural properties as concrete. No wood shall be used in the construction of any part of any vault. Exceptions to the provision of this section may be granted for infant or cremation burials only. In such instances, the design and construction of the burial vault shall be approved by the City.

### **7-3-~~18~~: FEES ESTABLISHED BY RESOLUTION; COLLECTION:**

The city council shall henceforth be authorized to establish by resolution the price for sale of lots and fees for services of the sexton. The city recorder is authorized to utilize all remedies available to collect any unpaid fees for lots or services. (Ord. 2009-8, 3-17-2009)

### **7-3-19: BURIALS OUTSIDE CEMETERIES:**

It shall be unlawful to bury human remains within the City, except at sites designated and approved by the City.

### **7-3-~~20~~: BURIAL OF INDIGENT PERSONS:**

~~Such lots as the city council shall from time to time designate shall be reserved for the burial of indigent persons. (Ord. 2009-8, 3-17-2009)~~ A portion of the cemetery may be designated for the burial of indigents. Whenever it is determined by the City Administrator that any resident of Pleasant

Grove who has died, who does not have funds or an estate sufficient to pay the cost of a burial right in the cemetery, and whose nearest relative or representative desires to have the body of such deceased interred in the cemetery, the City Administrator may grant a burial right for such deceased person at no cost. All strangers without known relatives or funds who die in the City may be accorded the same privilege.

### **7-3-21: HOLIDAY FUNERALS:**

Interments or disinterment's in the cemetery shall not be allowed on New Year's Day, Memorial Day weekend beginning Saturday morning through Memorial Day, Thanksgiving Day, Christmas Eve and Christmas Day.

### **7-3-22: DRIVING IN CEMETERY:**

Driving on lots, backing over graves, cutting corners, speeding or using the cemetery roadways to gain access between two (2) public streets separated by the cemetery is prohibited. (Ord. 2009-8, 3-17-2009)

### **7-3-23: DEFACING OR REMOVING SHRUBS, MARKERS HEADSTONES:**

No person shall injure, deface, take or carry away from any grave or lot any monument, ~~marker~~ headstone, tree, shrub, flower, ground or any other property or ornament in the cemetery, except with written permission of the sexton. (Ord. 2009-8, 3-17-2009)

### **7-3-24: ANIMALS IN CEMETERY:**

It is unlawful for the owner, caretaker or other person in charge of livestock to allow or negligently permit animals to run at large or trespass on cemetery grounds. (Ord. 2009-8, 3-17-2009)

### **7-3-25: UNLAWFUL ACTS:**

It is unlawful for any person to dig or attempt to dig any grave in the cemetery, or exhume or remove any corpse from any grave therein without the permission of the sexton, or to tie an animal to any tree, ~~gravestone~~ headstone, ~~tablet, tomb~~ or monument on the grounds of the cemetery, or to cut in any manner, disfigure or injure the ~~main fence or any of the~~ enclosures within the cemetery. (Ord. 2009-8, 3-17-2009)

### **7-3-26: REGULATION AUTHORITY:**

The city council shall prepare, and have printed, rules and regulations for the operation of the cemetery, and such rules and regulations will cover all matters necessary for the operation of the cemetery which are not contained in this chapter. (Ord. 2009-8, 3-17-2009)

**SECTION 2.** SEVERABILITY. The sections, paragraphs, sentences, clauses, and phrases of this Ordinance are severable. If any such section, paragraph, sentence, clause, or phrase shall be declared invalid or unconstitutional by the valid judgment or decree of a Court of competent jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality of any of the remaining sections, paragraphs, sentences, clauses or phases of this Ordinance.

**SECTION 3.** EFFECTIVE DATE. This ordinance shall take effect immediately upon its passage and posting as provided by law.

**SECTION 4.** APPROVED AND ADOPTED AND MADE EFFECTIVE by the City Council of Pleasant Grove City, Utah County, Utah, this 5<sup>th</sup> day of August, 2014.

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Michael W. Daniels, Mayor

ATTEST:

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Kathy T. Kresser, CMC

City Recorder



## **NOTICE OF A SPECIAL MEETING OF THE PLEASANT GROVE CITY COUNCIL**

### ***Please Note Venue and Date Change***

Notice is hereby given that the Pleasant Grove City Council will hold a Special Meeting Thursday August 7, 2014 at 7:00 p.m. in the Pleasant Grove Jr. High Auditorium, 810 North 100 East, Pleasant Grove Utah. This is a public meeting and anyone interested is invited to attend.

### **AGENDA**

- 1. CALL TO ORDER**
- 2. PLEDGE OF ALLEGIANCE.**
- 3. OPENING REMARKS.**
- 4. BUSINESS:**

A. David Hart. MOCA, to present findings on the proposed Public Safety Building (Police, Fire and Courts)

- 5. ADJOURN**

### **CERTIFICATE OF POSTING:**

I certify that the above notice and agenda was posted in three public places within the Pleasant Grove City limits. Agenda also posted on State (<http://pmn.utah.gov>) and City websites ([www.plgrove.org](http://www.plgrove.org)).

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Posted by: Kathy T. Kresser, City Recorder

Date: August 5, 2014

Time: 5:00 p.m.



**NOTICE OF WORK SESSION MEETING  
OF THE  
PLEASANT GROVE CITY COUNCIL**

Notice is hereby given that the Pleasant Grove City Council will hold a **Work Session meeting at 6:00 p.m. on Tuesday, August 12, 2014** in City Council Chambers, 86 East 100 South, Pleasant Grove, Utah. This is a public meeting and anyone interested is invited to attend. Work meetings are not designed to hear public comment or take official action.

1. Call to Order
2. Pledge of Allegiance.
3. Opening Remarks.
4. Approval of Agenda.
5. Recognition of the PG Players for 30 years of service.
6. Presentation of new employees.
7. Discussion on agenda items for the August 19, 2014 City Council Meeting.
8. Neighborhood and Staff business.
9. Mayor and Council business.
10. Signing of plats.
11. Review calendar.
12. Adjourn.

**CERTIFICATE OF POSTING:**

I certify that the above notice and agenda was posted in three public places within the Pleasant Grove City limits and on the State (<http://pmn.utah.gov>) and City websites ([www.plgrove.org](http://www.plgrove.org)).

Posted by: Kathy T. Kresser, City Recorder

Date: August 8, 2014

Time: 5:00 p.m.

Place: City Hall, Library and Community Development Building

***Supporting documents can be found online at: <http://www.plgrove.org/pleasant-grove-information-25006/staff-reports-78235>***

\*Note: If you are planning to attend this public meeting and due to a disability, need assistance in understanding or participating in the meeting, please notify the City Recorder, 801-785-5045, forty-

eight hours in advance of the meeting and we will try to provide whatever assistance may be required.

DRAFT



SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

# AUGUST

1

Wal-Mart  
Ribbon  
Cutting  
7:30 a.m.

2

3

4

5

Neighborhood  
Chair meeting  
5:30 p.m.  
City Council  
Meeting  
6:00 p.m.

6

Curbside  
Recycle  
Pickup Day  
North  
Route

7

Planning  
Commission  
Meeting  
7:00 p.m.  
PSB Meeting  
Jr. High  
7:00 p.m.

8

9



10



11

City Employee  
Summer Party  
At  
Veterans  
Memorial Park  
6:00 p.m.,

12

City Council  
Work  
Session  
6:00 p.m.

13

Curbside  
Recycle  
Pickup Day  
South  
Route

14

15

16

17

18

19

City  
Council  
Meeting  
6:00 p.m.

20

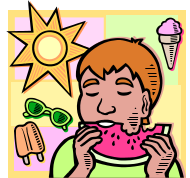
Curbside  
Recycle  
Pickup Day  
North  
Route

21

Historical  
Preservation  
Committee  
Meeting 7:00  
p.m.

22

23



24/31

25

26

City Council  
Work  
Session  
6:00 p.m.

27

Curbside  
Recycle  
Pickup Day  
South  
Route

27

29

30

## Department Staff Meetings

Administrative Services: 1st and 3rd Wed at 8:30 a.m.

Community Development: Wednesdays at 7:30 a.m.

Department Heads: Tuesday at 2:00 p.m.

Fire/EMS: 1st Wednesday of the month at 7:00 a.m.

Library: 1st Friday of the month

Parks: Tuesday at 7:00 a.m. - Recreation: Monday at 4:00 p.m.

Public Safety: 1st Friday of the month at 7:00 a.m.

Public Works: Wednesdays at 6:30 a.m.

GL Acct No	Vendor	Vendor Name	Description	Invoice No	PO No	Inv Date	Amount
10-13100	GENERAL FUND - ACCTS REC.- CITY EMPLOYEES						
	7505	SKAGGS COMPANIES, INC.	PD/PERSONAL SUPPLIES	2310885		06/30/2014	65.96
	7960	STEALTHGEAR USA LLC	PD/PERSONAL SUPPLIES	07102014		07/10/2014	260.00
							325.96
10-15800	GENERAL FUND - SUSPENSE						
	814	BATTERY SYSTEMS INC	WATER/DEPARTMENTAL SUPPLIES	62153168		07/17/2014	55.94
10-15820	GENERAL FUND - SDA EXPENSE ACCOUNT						
	3571	GURR'S COPYTEC	SDA/COPIES	159491		06/06/2014	24.00
	3571	GURR'S COPYTEC	SDA/COPIES	159615		06/07/2014	11.19
	3571	GURR'S COPYTEC	SDA/COPIES	159914		06/10/2014	22.70
	3571	GURR'S COPYTEC	SDA/COLOR COPIES	160501		06/17/2014	41.46
	3571	GURR'S COPYTEC	SDA/COLOR COPIES	160585		06/17/2014	225.08
	3571	GURR'S COPYTEC	SDA/COLOR COPIES	160586		06/18/2014	79.00
	5033	MACEYS	SDA/MISC. EXPENSE	842059		06/20/2014	162.41
	5033	MACEYS	SDA/MISC. EXPENSE	845849		06/21/2014	2.79
	5033	MACEYS	SDA/PARADE	859113		06/17/2014	186.64
	5033	MACEYS	SDA/HUCK FINN DAYS EXPENSES	859292		06/20/2014	30.43
	5033	MACEYS	SDA/PARADE	924358		06/20/2014	7.96
							793.66
10-15850	GENERAL FUND - POLICE WARRANT CLEARING						
	6555	PROVO CITY JUSTICE COURT	WARRANT CLEARING	07112014		07/11/2014	165.00
	7255	SARATOGA SPRINGS JUSTICE COURT	WARRANT CLEARING	07132014		07/13/2014	300.00
	8884	UTAH COUNTY JUSTICE COURT	WARRANT CLEARING	07172014		07/17/2014	401.86
							866.86
10-21230	GENERAL FUND - STATE INSURANCE PAYABLE						
	8954	UTAH LOCAL GOVT. INS. TRUST	WORKERS COMP	1485532		07/23/2014	8,109.13
10-22390	GENERAL FUND - LEGAL SHIELD						
	4729	LEGAL SHIELD	LEGAL SERVICE FOR PD OFFICERS	07232014		07/23/2014	103.70
10-24403	GENERAL FUND - EMPLOYEE RESPONSBLTY CLEARING						
	5748	OFFICE OF RECOVERY SERVICES	BILLIE JOE ALLGOOD	07032014		07/03/2014	138.46
	5748	OFFICE OF RECOVERY SERVICES	BILLIE JOE ALLGOOD	07182014		07/18/2014	138.46
							276.92
10-42-240	GENERAL FUND - JUDICIAL - OFFICE EXPENSE						
	2122	CULLIGAN BOTTLED WATER	JUDICIAL/DRINKING WATER	07012014		07/01/2014	21.45
	5730	OFFICE DEPOT, INC.	JUDICIAL/OFFICE SUPPLIES	1693544588		07/01/2014	89.80
							111.25
10-42-280	GENERAL FUND - JUDICIAL - TELEPHONE EXPENSE						
	5950	PAETEC	MULTI DEPT/PHONE EXPENSE	57509087		07/08/2014	61.67
10-42-310	GENERAL FUND - JUDICIAL - LEGAL SERVICES						
	4376	JOHN H. JACOBS P.C.	JUDICIAL/LEGAL SERVICES	06302014		06/30/2014	4,567.93
10-42-330	GENERAL FUND - JUDICIAL - PROFESSIONAL SERVICES						
	3080	FRANCOM, VALERIE H.	JUDICIAL/INTERPRETER	07102014		07/10/2014	80.00
Total JUDICIAL							4,820.85
10-43-330	GENERAL FUND - NON-DEPARTMENTAL - PROFESSIONAL SERVICES						
	9050	VALBRIDGE FREE AND ASSOCIATES	APPRAISAL	14060132		07/14/2014	350.00
	9050	VALBRIDGE FREE AND ASSOCIATES	APPRAISAL	14060133		07/14/2014	300.00

GL Acct No	Vendor	Vendor Name	Description	Invoice No	PO No	Inv Date	Amount
							650.00
10-43-430	GENERAL FUND - NON-DEPARTMENTAL - STRAWBERRY DAYS						
	3571	GURR'S COPYTEC	QUEENS/POSTERS	160371		06/14/2014	10.00
	5328	MODERN DISPLAY	QUEENS FLOAT	667889		07/02/2014	707.49
	6343	PLEASANT GROVE PRINTERS	PRINCESS PARTY POSTERS	6636		06/02/2014	13.00
							730.49
10-43-510	GENERAL FUND - NON-DEPARTMENTAL - INSURANCE & BONDS						
	8954	UTAH LOCAL GOVT. INS. TRUST	PROPERTY ENDORSEMENT	1485528		07/23/2014	.50
	8954	UTAH LOCAL GOVT. INS. TRUST	AUTO PD ENDORSEMENT	1485529		07/23/2014	11.44
	8954	UTAH LOCAL GOVT. INS. TRUST	ANNUAL PROPERTY PREMIUM	1485530		07/23/2014	15.10
	8954	UTAH LOCAL GOVT. INS. TRUST	ANNUAL AUTO PD PREMIUM	1485531		07/23/2014	348.02
							375.06
10-43-515	GENERAL FUND - NON-DEPARTMENTAL - INSURANCE CLAIMS						
	8954	UTAH LOCAL GOVT. INS. TRUST	LIABILITY DEDUCTIBLES	122599		07/23/2014	11,291.83
10-43-760	GENERAL FUND - NON-DEPARTMENTAL - TECHNOLOGY						
	343	AMERICAN FORK CITY	DARK FIBER LEASE	3337		06/01/2014	250.00
	1450	CASELLE	TIMEKEEPING SOFTWARE	58204		06/30/2014	1,000.00
							1,250.00
Total NON-DEPARTMENTAL							14,297.38
10-44-220	GENERAL FUND - LEGAL SERVICES - PUBLICATION EXPENSE						
	5091	MATTHEW BENDER & CO., INC.	UT CODE COURT RULES 06/14 SPEC 5	60580097		06/24/2014	20.71
Total LEGAL SERVICES							20.71
10-46-210	GENERAL FUND - ADMINISTRATIVE SERVICES - MEETINGS & MEMBERSHIPS						
	8960	UTAH MUNICIPAL CLERKS ASSOC.	ADM/MEMBERSHIP DUES	07012014		07/01/2014	150.00
	8960	UTAH MUNICIPAL CLERKS ASSOC.	ADM/REGISTRATION FEE	07022014		07/01/2014	240.00
	8960	UTAH MUNICIPAL CLERKS ASSOC.	ADM/REGISTRATION FEE	07032014		07/01/2014	170.00
							560.00
10-46-240	GENERAL FUND - ADMINISTRATIVE SERVICES - OFFICE EXPENSE						
	1371	CANON SOLUTIONS AMERICAN, INC.	ADM/COPIER MAINTENANCE	4013288314		07/01/2014	81.04
	1757	CINTAS CORPORATION	ADM/SHEDDING	8401238552		06/30/2014	56.95
	3571	GURR'S COPYTEC	ADM/LAMINATION	159935		06/11/2014	1.50
	3571	GURR'S COPYTEC	ADM/COLOR COPIES	161054		06/23/2014	2.10
	3571	GURR'S COPYTEC	ADM/COPIES	161472		06/27/2014	1.60
	5609	NEOPOST USA INC.	ADM/POSTAGE	32819		07/11/2014	172.49
	5730	OFFICE DEPOT, INC.	ADM/OFFICE SUPPLIES	'18614348001		07/02/2014	122.73
							438.41
10-46-280	GENERAL FUND - ADMINISTRATIVE SERVICES - TELEPHONE EXPENSE						
	5950	PAETEC	MULTI DEPT/PHONE EXPENSE	57509087		07/08/2014	60.99
10-46-610	GENERAL FUND - ADMINISTRATIVE SERVICES - MISCELLANEOUS EXPENSE						
	5033	MACEYS	ADM/BIRTHDAY EXPENSE	842325		06/19/2014	14.68
	5033	MACEYS	ADM/BIRTHDAY EXPENSE	913060		07/10/2014	17.99
							32.67
Total ADMINISTRATIVE SERVICES							1,092.07
10-47-480	GENERAL FUND - FACILITIES - DEPARTMENTAL SUPPLIES						
	2675	ELECTRICAL WHOLESALE SUPPLY	BUILDING MAINTENANCE	142479		07/07/2014	25.33

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10-47-510	GENERAL FUND - FACILITIES - CITY HALL - HEATING EXPENSE						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	31.59
10-47-580	GENERAL FUND - FACILITIES - PARKS - BUILDING MAINTENANCE						
	2675 ELECTRICAL WHOLESALE SUPPLY		BUILDING MAINTENANCE	142479		07/07/2014	14.78
	2675 ELECTRICAL WHOLESALE SUPPLY		BUILDING IMPROVEMENTS	61606871		07/09/2014	70.68
	2675 ELECTRICAL WHOLESALE SUPPLY		BUILDING MAINTENANCE	907616319		07/01/2014	72.38
	2675 ELECTRICAL WHOLESALE SUPPLY		BUILDING IMPROVEMENTS	907648386		07/09/2014	50.93
							67.41
10-47-580	GENERAL FUND - FACILITIES - OLD BELL SCHOOL - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	7.16
10-47-600	GENERAL FUND - FACILITIES - COMMUNITY CNTR - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	26.58
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	11.35
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	203.64
							241.57
10-47-640	GENERAL FUND - FACILITIES - FIRE/AMBULANCE - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	48.03
10-47-660	GENERAL FUND - FACILITIES - FIRE/AMBULANCE - BLDG MAINT						
	1459 CATE INDUSTRIAL PRODUCTS, LLC		AIR COMPRESSOR	47336		07/15/2014	3,249.00
	4390 JOHNSTONE SUPPLY		BUILDING MAINTENANCE EXPENSE	400434		07/14/2014	459.94
							3,708.94
10-47-680	GENERAL FUND - FACILITIES - CEMETERY BLDG - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	12.90
10-47-710	GENERAL FUND - FACILITIES - LIBRARY/SENIOR - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	36.19
10-47-730	GENERAL FUND - FACILITIES - LIBRARY/SENIOR - BLDG MAINT						
	1980 CONTRACTORS HEATING/COOLING		BUILDING MAINTENANCE SUPPLIES	101067154001		07/01/2014	78.40
10-47-750	GENERAL FUND - FACILITIES - PUMP HOUSE - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	20.72
10-47-760	GENERAL FUND - FACILITIES - PUBLIC WORKS - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	7.16
10-47-790	GENERAL FUND - FACILITIES - RENTAL PROPERTY EXPENSES						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	7.16
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	49.41
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	7.43
							64.00
10-47-810	GENERAL FUND - FACILITIES - SR CENTER - HEATING						
	6672 QUESTAR GAS		MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	24.21
10-47-840	GENERAL FUND - FACILITIES - LIONS/SPORTSMAN - BLDG MAINT						
	239 ALLRED ACE HARDWARE		MULT DEPT/DEPARTMENT SUPPLIES	06292014		06/30/2014	15.86
Total FACILITIES							4,389.47
10-52-280	GENERAL FUND - COMMUNITY DEVELOPMENT - TELEPHONE EXPENSE						
	5950 PAETEC		MULTI DEPT/PHONE EXPENSE	57509087		07/08/2014	34.88
10-52-332	GENERAL FUND - COMMUNITY DEVELOPMENT - PROFESSIONAL SERVICES						

4546	KIMBALL ENGINEERING	COM DEV/PLAN REVIEWS	1214050006	06/19/2014	2,095.00
9765	YEOMAN, JAMES	COM DEV/PLAN REVIEWS	07072014	07/07/2014	700.00
					2,795.00
Total COMMUNITY DEVELOPMENT					2,829.88
10-54-210	GENERAL FUND - POLICE DEPARTMENT - MEETINGS & MEMBERSHIPS				
5033	MACEYS	PD/MEETING EXPENSE	913071	07/08/2014	22.97
10-54-240	GENERAL FUND - POLICE DEPARTMENT - OFFICE EXPENSE				
990	BLUEFIN OFFICE GROUP	PD/OFFICE SUPPLIES	12703180	07/07/2014	54.94
990	BLUEFIN OFFICE GROUP	PD/OFFICE SUPPLIES	12703161	07/07/2014	43.57
990	BLUEFIN OFFICE GROUP	PD/OFFICE SUPPLIES	12713010	07/17/2014	194.91
2122	CULLIGAN BOTTLED WATER	PD/BOTTLED WATER	65X01210808	06/30/2014	170.50
2122	CULLIGAN BOTTLED WATER	PD/BOTTLED WATER	65X01222704	06/30/2014	21.50
7505	SKAGGS COMPANIES, INC.	PD/OFFICE SUPPLIES	2315348	07/09/2014	41.38
8315	THE UPS STORE	PD/SHIPPING EXPENSE	2858	07/14/2014	33.35
					560.15
10-54-250	GENERAL FUND - POLICE DEPARTMENT - VEHICLE EXPENSE				
2681	ELITE REPAIRS AND SPECIALIZED	PD/VEHICLE REPAIR	3948	07/11/2014	97.95
3468	GREASE MONKEY #790	PD/VEHICLE MAINTENANCE	142329	07/07/2014	87.28
5833	O'REILLY AUTOMOTIVE INC.	PD/VEHICLE EXPENSE	3623369987	06/06/2014	52.99
5833	O'REILLY AUTOMOTIVE INC.	PD/VEHICLE EXPENSE	3623370989	06/10/2014	19.99
5833	O'REILLY AUTOMOTIVE INC.	PD/VEHICLE EXPENSE	3623372785	06/18/2014	19.77
7052	ROCKY MOUNTAIN COLLISION	PD/VEHICLE REPAIR	13735	07/21/2014	553.56
					725.56
10-54-280	GENERAL FUND - POLICE DEPARTMENT - TELEPHONE EXPENSE				
5950	PAETEC	MULTI DEPT/PHONE EXPENSE	57509087	07/08/2014	157.38
10-54-300	GENERAL FUND - POLICE DEPARTMENT - UNIFORM EXPENSE				
7505	SKAGGS COMPANIES, INC.	PD/UNIFORM EXPENSE	2312184	07/02/2014	47.99
10-54-480	GENERAL FUND - POLICE DEPARTMENT - DEPARTMENTAL SUPPLIES				
813	BATTERIES PLUS BULBS #357	PD/DEPARTMENTAL SUPPLIES	35710587901	07/17/2014	61.95
813	BATTERIES PLUS BULBS #357	PD/ASSORTED BATTERIES	357289263	07/14/2014	79.60
4246	INTERSTATE BARRICADES	PD/DEPARTMENTAL SUPPLIES	107452	06/06/2014	126.00
7469	SIRCHIE FINGER PRINT	PD/DEPARTMENTAL SUPPLIES	171795	07/15/2014	32.36
					299.91
10-54-610	GENERAL FUND - POLICE DEPARTMENT - MISCELLANEOUS EXPENSE				
5033	MACEYS	PD/ASSORTED EXPENSE	845963	07/08/2014	12.99
10-54-760	GENERAL FUND - POLICE DEPARTMENT - TECHNOLOGY				
2844	FATPOT TECHNOLOGIES, INC.	PD/ANNUAL MAINTENANCE-MOBILE	07012014	07/01/2014	5,894.06
7760	SPILLMAN TECHNOLOGIES, INC.	PD/YEARLY MAINTENANCE	27925	07/01/2014	28,412.00
					34,306.06
Total POLICE DEPARTMENT					36,133.01
10-55-610	GENERAL FUND - FIRE DEPARTMENT - MISCELLANEOUS				
239	ALLRED ACE HARDWARE	MULT DEPT/DEPARTMENT SUPPLIES	06292014	06/30/2014	56.00
Total FIRE DEPARTMENT					56.00
10-57-250	GENERAL FUND - ANIMAL CONTROL - VEHICLE EXPENSE				
895	BIG O TIRES #44105	ACO/VEHICLE EXPENSE	44224104485	07/17/2014	219.29
3468	GREASE MONKEY #790	ACO/VEHICLE EXPENSE	142710	07/15/2014	27.00

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	3468	GREASE MONKEY #790	ACO/VEHICLE EXPENSE	142713		07/15/2014	40.50
	3468	GREASE MONKEY #790	ACO/VEHICLE EXPENSE	142722		07/15/2014	40.50
	3468	GREASE MONKEY #790	ACO/VEHICLE EXPENSE	142728		07/15/2014	40.50
							367.79
10-57-330	GENERAL FUND - ANIMAL CONTROL - CONTRACT SERVICES						
	5719	NORTH UTAH VALLEY ANIMAL	ACO/ASSESSMENT FOR 2014-2014	07012014		07/01/2014	42,401.00
Total ANIMAL CONTROL							42,768.79
10-60-210	GENERAL FUND - STREETS - MEETINGS & MEMBERSHIPS						
	5033	MACEYS	STR/DEPARTMENTAL SUPPLIES	2987		07/16/2014	22.13
10-60-250	GENERAL FUND - STREETS - VEHICLE EXPENSE						
	6025	PAUL LANKFORD BUICK, GMC	STR/VEHICLE REPAIR	60117631		07/11/2014	386.75
10-60-280	GENERAL FUND - STREETS - TELEPHONE EXPENSE						
	5950	PAETEC	MULTI DEPT/PHONE EXPENSE	57509087		07/08/2014	91.93
10-60-480	GENERAL FUND - STREETS - DEPARTMENTAL SUPPLIES						
	1758	CINTAS CORPORATION #180	STR/FLOOR MATS	180613815		07/10/2014	40.62
	1760	CINTAS FIRST AID & SAFETY	STR/DEPARTMENTAL SUPPLIES	5001575702		07/14/2014	17.48
	4019	HUMPHRIES, INC.	STR/DEPARTMENTAL SUPPLIES	250220		07/08/2014	30.54
	4205	INTERMOUNTAIN DRUG TESTING, LC	STR/COLLECTION FEES	2014-05598		05/31/2014	40.00
	6905	RHOMAR INDUSTRIES, INC.	STR/DEPARTMENTAL SUPPLIES	79581		07/03/2014	489.34
							617.98
Total STREETS							1,118.79
10-65-240	GENERAL FUND - LIBRARY - OFFICE EXPENSE						
	2395	DEMCO, INC.	LIB/ASSORTED SUPPLIES	5340757		07/10/2014	562.10
	5609	NEOPOST USA INC.	LIB/MAILING MACHINE RENTAL	51853437		07/04/2014	59.25
							621.35
10-65-280	GENERAL FUND - LIBRARY - TELEPHONE EXPENSE						
	1905	COMCAST CABLE	SC/INTERNET SERVICE	07202014		07/20/2014	70.24
	5950	PAETEC	MULTI DEPT/PHONE EXPENSE	57509087		07/08/2014	96.39
							166.63
10-65-410	GENERAL FUND - LIBRARY - PERIODICALS						
	2608	EBSCO	LIB/CREDIT	07232014		07/23/2014	777.21
	2608	EBSCO	LIB/PERIODICALS	8337		07/23/2014	1,058.68
							281.47
10-65-420	GENERAL FUND - LIBRARY - CHILDRENS PROGRAMING						
	5033	MACEYS	LIB/ASSORTED EXPENSES	2700		07/15/2014	24.97
	5033	MACEYS	LIB/ASSORTED EXPENSES	845966		07/08/2014	8.92
	5033	MACEYS	LIB/ASSORTED EXPENSES	859188		07/09/2014	51.48
	5033	MACEYS	LIB/ASSORTED EXPENSES	924142		07/15/2014	9.13
							94.50
10-65-480	GENERAL FUND - LIBRARY - BOOKS						
	307	AMAZON	LIB/BOOKS	06122014		06/12/2014	367.51
	3191	GALE	LIB/BOOKS	52417662		07/02/2014	94.46
	4159	INGRAM LIBRARY SERVICES	LIB/BOOKS	79308055		07/03/2014	21.69
	4159	INGRAM LIBRARY SERVICES	LIB/BOOKS	79308056		07/03/2014	704.06
	4159	INGRAM LIBRARY SERVICES	LIB/BOOKS	79335187		07/07/2014	288.64
	4159	INGRAM LIBRARY SERVICES	LIB/BOOKS	79335188		07/07/2014	672.28
	4159	INGRAM LIBRARY SERVICES	LIB/BOOKS	79354908		07/08/2014	77.94
	4159	INGRAM LIBRARY SERVICES	LIB/BOOKS	79354909		07/08/2014	32.31

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	4159	INGRAM LIBRARY SERVICES	LIB/BOOKS	79376183		07/09/2014	172.92
	5730	OFFICE DEPOT, INC.	LIB/OFFICE SUPPLIES	*18860072001		07/03/2014	170.15
	5730	OFFICE DEPOT, INC.	LIB/OFFICE SUPPLIES	*19454834001		07/09/2014	422.51
	6094	THE PENWORTHY COMPANY	LIB/BOOKS	585009		07/02/2014	1,126.08
							4,150.55
10-65-485	GENERAL FUND - LIBRARY - AUDIO/VISUAL MATERIALS						
	2870	FINDAWAY WORLD, LLC	LIB/BOOKS	131326		07/03/2014	229.46
	6791	RECORDED BOOKS, INC.	LIB/ BOOKS ON CD	74929227		07/11/2014	113.80
	6791	RECORDED BOOKS, INC.	LIB/ BOOKS ON CD	74965378		07/03/2014	317.14
	6791	RECORDED BOOKS, INC.	LIB/ BOOKS ON CD	74966847		07/07/2014	56.90
							717.30
Total LIBRARY							6,031.80
10-67-240	GENERAL FUND - SR. CITIZEN CTR & AUDITORIUM - OFFICE EXPENSE						
	1905	COMCAST CABLE	SC/INTERNET SERVICE	07222014		07/22/2014	60.57
Total SR. CITIZEN CTR & AUDITORIUM							60.57
10-70-200	GENERAL FUND - PARKS - MOWER EXPENSE						
	2178	CUTLERS, INC.	PARK/MOWER EXPENSE	236729		07/09/2014	10.66
	5833	O'REILLY AUTOMOTIVE INC.	PARK/DEPARTMENTAL SUPPLIES	3623378833		07/14/2014	2.54
	6889	RHINEHART OIL COMPANY	PARK/VEHICLE MAINTENANCE	3056251		07/14/2014	134.27
							147.47
10-70-250	GENERAL FUND - PARKS - VEHICLE EXPENSE						
	3468	GREASE MONKEY #790	PARK/VEHICLE EXPENSE	142828		07/17/2014	42.29
	5833	O'REILLY AUTOMOTIVE INC.	PARK/VEHICLE EXPENSE	3623378147		07/11/2014	3.24
	5833	O'REILLY AUTOMOTIVE INC.	PARK/DEPARTMENTAL SUPPLIES	3623378151		07/11/2014	35.97
	5833	O'REILLY AUTOMOTIVE INC.	PARK/VEHICLE EXPENSE	3623378990		07/15/2014	34.74
	5833	O'REILLY AUTOMOTIVE INC.	PARK/DEPARTMENTAL SUPPLIES	3623379251		07/16/2014	36.99
	5833	O'REILLY AUTOMOTIVE INC.	PARK/VEHICLE EXPENSE	3623379270		07/16/2014	13.14
							166.37
10-70-320	GENERAL FUND - PARKS - SPRINKLER & LANDSCAPE						
	970	BJ PLUMBING SUPPLY	PARK/DEPARTMENTAL SUPPLIES	3671469		07/14/2014	105.55
	970	BJ PLUMBING SUPPLY	PARK/LANDSCAPE FABRIC	575771		07/08/2014	206.42
	970	BJ PLUMBING SUPPLY	PARK/DEPARTMENTAL SUPPLIES	576011		07/09/2014	130.00
	970	BJ PLUMBING SUPPLY	PARK/PVC CAPS	576323		07/10/2014	9.51
	970	BJ PLUMBING SUPPLY	PARK/DEPARTMENTAL SUPPLIES	576458		07/11/2014	53.69
	970	BJ PLUMBING SUPPLY	PARK/MARKER FLAGS	577135		07/15/2014	2.75
	2766	EWING IRRIGATION PRODUCTS, INC	PARK/CEM-SPRINKLER SUPPLIES	8309014		07/03/2014	122.70
	2766	EWING IRRIGATION PRODUCTS, INC	PARK/DEPARTMENTAL SUPPLIES	8324896		07/08/2014	47.52
	2766	EWING IRRIGATION PRODUCTS, INC	PARK/CEM-SPRINKLER SUPPLIES	8366580		07/15/2014	932.89
	4208	INTERMOUNTAIN FARMERS ASSOC.	PARK/FERTILIZER	1004036065		06/12/2014	3,420.00
	9650	WOLF MOUNTAIN PRODUCTS	PARK/GROUND COVER	16252		07/08/2014	210.00
							5,241.03
10-70-480	GENERAL FUND - PARKS - DEPARTMENTAL SUPPLIES						
	239	ALLRED ACE HARDWARE	MULT DEPT/DEPARTMENT SUPPLIES	06292014		06/30/2014	19.00
	970	BJ PLUMBING SUPPLY	PARK/DEPARTMENTAL SUPPLIES	576811		07/14/2014	45.95
	973	BLACK CANYON SIGNS, INC.	PARK/ASSORTED SIGNS	2591		06/30/2014	420.00
							484.95
10-70-482	GENERAL FUND - PARKS - TREE MAINTENANCE						
	9650	WOLF MOUNTAIN PRODUCTS	PARK/COLORED GROUND COVER	15920		05/15/2014	210.00
	9650	WOLF MOUNTAIN PRODUCTS	PARK/GOUND COVER	15924		05/15/2014	105.00
	9650	WOLF MOUNTAIN PRODUCTS	PARK/COLORED GROUND COVER	15930		05/16/2014	105.00

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							420.00
10-70-650	GENERAL FUND - PARKS - GREENHOUSES						
4820	LINDEN NURSERY	PARK/TREES		141069		07/08/2014	190.00
10-70-670	GENERAL FUND - PARKS - SAFETY EQUIP. & SUPPLIES						
1347	CABELA'S INC.	PARK/BOOTS		124		07/18/2014	159.99
1347	CABELA'S INC.	PARK/BOOTS		4180		07/18/2014	89.99
1347	CABELA'S INC.	PARK/BOOTS		9876		07/07/2014	139.99
1760	CINTAS FIRST AID & SAFETY	PARK/FIRST AID SUPPLIES		5001575703		07/14/2014	31.69
							421.66
Total PARKS							7,071.48
10-71-240	GENERAL FUND - RECREATION - OFFICE EXPENSE						
5730	OFFICE DEPOT, INC.	REC/OFFICE SUPPLIES		1692445189		06/26/2014	29.25
7233	SAM'S CLUB	REC/ASSORTED SUPPLIES		06302014		06/30/2014	275.99
							305.24
10-71-280	GENERAL FUND - RECREATION - TELEPHONE EXPENSE						
5950	PAETEC	MULTI DEPT/PHONE EXPENSE		57509087		07/08/2014	20.19
5950	PAETEC	MULTI DEPT/PHONE EXPENSE		57509087		07/08/2014	45.80
5950	PAETEC	MULTI DEPT/PHONE EXPENSE		57509087		07/08/2014	244.07
							310.06
10-71-480	GENERAL FUND - RECREATION - DEPARTMENTAL SUPPLIES						
2766	EWING IRRIGATION PRODUCTS, INC	REC/DEPARTMENTAL SUPPLIES		8309013		07/03/2014	52.50
Total RECREATION							667.80
10-74-480	GENERAL FUND - CUSTODIAL SERVICES - DEPARTMENTAL SUPPLIES						
5724	NUKLEAN, LLC	BUILDING MAINTENANCE SUPPLIES		87762		07/10/2014	459.74
5724	NUKLEAN, LLC	BUILDING MAINTENANCE SUPPLIES		87763		07/10/2014	148.39
5724	NUKLEAN, LLC	BUILDING MAINTENANCE SUPPLIES		87882		07/17/2014	225.92
							834.05
10-74-481	GENERAL FUND - CUSTODIAL SERVICES - CHEMICALS						
5724	NUKLEAN, LLC	BUILDING MAINTENANCE SUPPLIES		87763		07/10/2014	323.72
Total CUSTODIAL SERVICES							1,157.77
Total GENERAL FUND							133,048.54
20-40-480	CLASS C ROAD FUND - EXPENDITURES - DEPARTMENTAL SUPPLIES						
3312	GENEVA ROCK PRODUCTS	CLASS C ROADS/ASPHALT		1528963		07/01/2014	1,293.24
4163	INNOVATIVE MARKING SYSTEMS	STRM DRN/STRIPING		1445		07/09/2014	945.00
							2,238.24
Total EXPENDITURES							2,238.24
Total CLASS C ROAD FUND							2,238.24



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21-84-720	Grants - GRANT EXPENDITURES - DOWNTOWN MARKETING						
	5325	MOCA SYSTEMS, INC.	SUPPORT SERVICES -PUBLIC SAFETY E	2540		06/30/2014	16,776.97
Total GRANT EXPENDITURES							16,776.97
Total Grants							16,776.97
22-70-320	CEMETERY - 22-70 - SPRINKLER & LANDSCAPE						
	2766	EWING IRRIGATION PRODUCTS, INC	CEM/DEPARTMENTAL SUPPLIES	8234812		06/20/2014	701.18
22-70-480	CEMETERY - 22-70 - DEPARTMENTAL SUPPLIES						
	1905	COMCAST CABLE	CEM/INTERNET SERVICES	07232014		07/23/2014	86.67
Total 22-70							787.85
Total CEMETERY							787.85
41-40-260	E-911 - EXPENDITURES - MAINTENANCE						
	7947	STATE OF UTAH	PD/RADIO SHOP LABOR	94		06/30/2014	1,651.78
41-40-300	E-911 - EXPENDITURES - UNIFORM EXPENSE						
	9420	WESTPRO, INC.	E-911/UNIFORMS	34103		04/21/2014	40.00
41-40-740	E-911 - EXPENDITURES - EQUIPMENT						
	3985	HOUSE OF HEARING OREM	E-911/EARMOLDS	2231		02/11/2013	45.00
	7760	SPILLMAN TECHNOLOGIES, INC.	PARAMOUNT POLICE INTERFACE	28114		07/02/2014	23,980.00
Total EXPENDITURES							25,716.78
Total E-911							25,716.78
44-40-340	CDA-HAMMOND - 44-40 - PROFESSIONAL CONSULTANTS						
	9050	VALBRIDGE FREE AND ASSOCIATES	APPRAISAL	14060154		06/30/2014	1,500.00
Total 44-40							1,500.00
Total CDA-HAMMOND							1,500.00
48-41-210	STORM DRAIN UTILITY FUND - GENERAL GOVERNMENT - MEETINGS & MEMBERSHIPS						
	4205	INTERMOUNTAIN DRUG TESTING, LC	STRM DRN/DRUG TESTING	2014-05598		05/31/2014	40.00
48-41-250	STORM DRAIN UTILITY FUND - GENERAL GOVERNMENT - VEHICLE EXPENSE						

6025	PAUL LANKFORD BUICK, GMC	STRM DRN/VEHICLE EXPENSE	60117961	07/14/2014	33.94
6025	PAUL LANKFORD BUICK, GMC	STRM DRN/VEHICLE EXPENSE	60118211	07/15/2014	347.42
					381.36
48-41-480	STORM DRAIN UTILITY FUND - GENERAL GOVERNMENT - DEPARTMENTAL SUPPLIES				
3571	GURR'S COPYTEC	STRM DRN/BINDING	162477	07/10/2014	7.55
48-41-610	STORM DRAIN UTILITY FUND - GENERAL GOVERNMENT - MISCELLANEOUS EXPENSE				
2330	DCD TRANSFER -LINDON	STRM DRN/ASPHALT	7813	06/29/2014	493.00
2330	DCD TRANSFER -LINDON	STRM DRN/CONCRETE	7831	06/30/2014	120.00
					613.00
48-41-760	STORM DRAIN UTILITY FUND - GENERAL GOVERNMENT - TECHNOLOGY				
4286	IWORQ SYSTEMS INC.	STRM DRN/INTERNET MANAGEMENT	6086	07/07/2014	1,700.00
Total GENERAL GOVERNMENT					2,741.91
Total STORM DRAIN UTILITY FUND					2,741.91
49-60-821	CAPITAL PROJECTS FUND - PARKS PROJECTS - SWIMMING POOL IMPROVEMENTS				
1338	C.E.M.	POOL/STENNER PUMP	104394	05/22/2014	997.65
1338	C.E.M.	POOL/INSTALL MODULATING FLOAT	104538	05/29/2014	3,535.72
1338	C.E.M.	POOL/SWIM POOL MAINTENANCE	104539	05/29/2014	6,700.00
					11,233.37
Total PARKS PROJECTS					11,233.37
Total CAPITAL PROJECTS FUND					11,233.37
51-40-240	WATER FUND - EXPENDITURES - OFFICE EXPENSE				
320	AMFAX CORPORATION	WATER/VOICE BROADCASTS	21406551	06/30/2014	65.69
51-40-250	WATER FUND - EXPENDITURES - VEHICLE EXPENSE				
814	BATTERY SYSTEMS INC	WATER/VEHICLE EXPENSE	62153168	07/17/2014	113.66
1142	BRATT MECHANIC SHOP	WATER/VEHICEL REPAIR LABOR	07172014	07/14/2014	20.00
1142	BRATT MECHANIC SHOP	WATER/VEHICEL REPAIR PARTS	07172014	07/14/2014	71.15
					204.81
51-40-280	WATER FUND - EXPENDITURES - TELEPHONE EXPENSE				
5950	PAETEC	MULTI DEPT/PHONE EXPENSE	57509087	07/08/2014	91.93
51-40-600	WATER FUND - EXPENDITURES - REPAIR & MAINTENANCE				
970	BJ PLUMBING SUPPLY	WATER/DEPARTMENTAL SUPPLIES	576178	07/10/2014	59.13
970	BJ PLUMBING SUPPLY	WATER/DEPARTMENTAL SUPPLIES	578185	07/21/2014	16.15
2766	EWING IRRIGATION PRODUCTS, INC	WATER/DEPARTMENTAL SUPPLIES	8316642	07/04/2014	1,975.93
2766	EWING IRRIGATION PRODUCTS, INC	WATER/DEPARTMENTAL SUPPLIES	8366581	07/15/2014	703.33
6938	RICHARDS LABORATORIES OF UTAH	WATER/COLIFORM	19238	07/10/2014	44.00
6938	RICHARDS LABORATORIES OF UTAH	WATER/COLIFORM	19296	07/21/2014	33.00
					2,831.54
51-40-610	WATER FUND - EXPENDITURES - MISCELLANEOUS EXPENSE				
1347	CABELA'S INC.	WATER/BOOTS	7346	07/03/2014	119.99
1368	C-A-L RANCH STORES	WATER/PANTS	4856/8	07/11/2014	225.56
					345.55

GL Acct No	Vendor	Vendor Name	Description	Invoice No	PO No	Inv Date	Amount
Total EXPENDITURES							3,539.52
Total WATER FUND							3,539.52
52-40-250	SEWER FUND - EXPENDITURES - VEHICLE EXPENSE						
	5833	O'REILLY AUTOMOTIVE INC.	SEWER/VEHICLE EXPENSES	3623370884		06/10/2014	11.97
52-40-480	SEWER FUND - EXPENDITURES - DEPARTMENTAL SUPPLIES						
	1366	CALIFORNIA CONTRACTORS SUPPLY	SEC WATER/DEPARTMENTAL SUPPLII	33535		07/07/2014	119.40
	6443	PR DIAMOND PRODUCTS, INC.	SEWER/DEPARTMENTAL SUPPLIES	32980		07/09/2014	276.00
							395.40
52-40-610	SEWER FUND - EXPENDITURES - MISCELLANEOUS EXPENSE						
	6672	QUESTAR GAS	MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	7.16
Total EXPENDITURES							414.53
Total SEWER FUND							414.53
54-40-600	SECONDARY WATER - EXPENDITURES - REPAIR & MAINTENANCE						
	1420	CART AWAY CONCRETE, LLC	SEC WATER/CONCRETE	07102014		07/10/2014	201.00
	1420	CART AWAY CONCRETE, LLC	SEC WATER/CONCRETE	07112014		07/11/2014	144.00
	1420	CART AWAY CONCRETE, LLC	SEC WATER/CONCRETE	1911		06/24/2014	134.00
	1420	CART AWAY CONCRETE, LLC	SEC WATER/CONCRETE	2033		07/11/2014	144.00
	1420	CART AWAY CONCRETE, LLC	SEC WATER/CONCRETE	2042		07/10/2014	201.00
	7068	ROCKY MOUNTAIN TAPPING INC.	SEC WATER/HOT TAP	3047		07/09/2014	1,050.00
	9301	WATER WELL SERVICES	SEC WATER/PULLING & RESETTNG PI	07102014		07/10/2014	5,500.00
							7,374.00
Total EXPENDITURES							7,374.00
Total SECONDARY WATER							7,374.00
57-40-110	SELF FUNDED DENTAL - EXPENDITURES - DENTAL CLAIM PAYMENTS						
	125	ADAMSON, WILLIAM F., D.M.D.	DENTAL SERVICES	07062014		07/10/2014	174.20
	125	ADAMSON, WILLIAM F., D.M.D.	DENTAL SERVICES	07072014		07/10/2014	100.00
	125	ADAMSON, WILLIAM F., D.M.D.	DENTAL SERVICES	07082014		07/10/2014	100.00
	125	ADAMSON, WILLIAM F., D.M.D.	DENTAL SERVICES	07092014		07/10/2014	104.20
	125	ADAMSON, WILLIAM F., D.M.D.	DENTAL SERVICES	07102014		07/10/2014	111.20
	125	ADAMSON, WILLIAM F., D.M.D.	DENTAL SERVICES	07112014		07/11/2014	205.00
	125	ADAMSON, WILLIAM F., D.M.D.	DENTAL SERVICES	07122014		07/10/2014	100.00
	455	ANDERSON, JOHN A D.D.S.	DENTAL SERVICES	07012014		07/01/2014	100.00
	455	ANDERSON, JOHN A D.D.S.	DENTAL SERVICES	07082014		07/08/2014	99.00
	455	ANDERSON, JOHN A D.D.S.	DENTAL SERVICES	07092014		07/08/2014	102.80
	455	ANDERSON, JOHN A D.D.S.	DENTAL SERVICES	07152014		07/15/2014	172.50
	455	ANDERSON, JOHN A D.D.S.	DENTAL SERVICES	07162014		07/16/2014	125.00
	980	BLAKE DENTAL P.C.	DENTAL SERVICES	07112014		07/11/2014	147.60
	1080	BOYDEN, ROBERT D, D.D.S.	DENTAL SERVICES	07102014		07/10/2014	151.80

GL Acct No	Vendor	Vendor Name	Description	Invoice No	PO No	Inv Date	Amount
	1080	BOYDEN, ROBERT D, D.D.S.	DENTAL SERVICES	07152014		07/15/2014	112.70
	1539	CHAMBERLAIN, DARREN D.D.S. PC	DENTAL SERVICES	07102014		07/15/2014	102.80
	1539	CHAMBERLAIN, DARREN D.D.S. PC	DENTAL SERVICES	07112015		07/15/2014	108.40
	1539	CHAMBERLAIN, DARREN D.D.S. PC	DENTAL SERVICES	07122014		07/15/2014	100.00
	1539	CHAMBERLAIN, DARREN D.D.S. PC	DENTAL SERVICES	07132014		07/15/2014	134.30
	1539	CHAMBERLAIN, DARREN D.D.S. PC	DENTAL SERVICES	07142014		07/15/2014	135.00
	1539	CHAMBERLAIN, DARREN D.D.S. PC	DENTAL SERVICES	07152014		07/15/2014	274.30
	1739	CHRISTIANSEN, DAVID M. DDS MS	DENTAL SERVICES	07012014		07/01/2014	170.00
	1739	CHRISTIANSEN, DAVID M. DDS MS	DENTAL SERVICES	07022014		07/01/2014	170.00
	1888	COLLEGE DENTAL CLINIC LLC	DENTAL SERVICES	04072014		04/07/2014	313.50
	4298	JACKSON, JONATHAN DOYLE D.D.S	DENTAL SERVICES	07162014		07/16/2014	68.00
	4406	JONES, AMMON G DDS	DENTAL SERVICES	07102014		07/10/2014	415.00
	4406	JONES, AMMON G DDS	DENTAL SERVICES	07112014		07/11/2014	470.00
	5096	MAXFIELD, ROD P., DDS, INC	DENTAL SERVICES	07082014		07/08/2014	102.80
	5096	MAXFIELD, ROD P., DDS, INC	DENTAL SERVICES	07102014		07/11/2014	138.50
	5096	MAXFIELD, ROD P., DDS, INC	DENTAL SERVICES	07112014		07/11/2014	258.90
	5096	MAXFIELD, ROD P., DDS, INC	DENTAL SERVICES	07182014		07/18/2014	1,000.00
	5832	ORAL & MAXILLOFACIAL SURGERY	DENTAL SERVICES-	07102014		07/10/2014	860.00
	6071	PECK, SHELDON L, DDS MS PC	DENTAL SERVICES	07092014		07/09/2014	123.33
	6112	PERRY, EVAN L., D.D.S., P.C.	DENTAL SERVICES	06232014		06/23/2014	663.90
	8002	STONEHAVEN DENTAL	DENTAL SERVICES	07162014		07/16/2014	220.40
	8002	STONEHAVEN DENTAL	DENTAL SERVICES	07172014		07/16/2014	101.60
	9023	UTAH VALLEY ORAL &	DENTAL SERVICES	07092014		07/09/2014	1,000.00
							8,836.73
Total EXPENDITURES							8,836.73
Total SELF FUNDED DENTAL							8,836.73
58-40-660	CAPITAL EQUIPMENT - 58-40 - POLICE EQUIPMENT						
	7345	SCOTT COMMUNICATIONS, INC.	PD/MOTOROLA RADIOS	5593		07/22/2014	18,100.00
Total 58-40							18,100.00
Total CAPITAL EQUIPMENT							18,100.00
71-73-240	SWIMMING POOL - SWIMMING POOL - OFFICE EXPENSE						
	7233	SAM'S CLUB	POOL/ASSORTED EXPENSES	06302014		06/30/2014	74.00
71-73-280	SWIMMING POOL - SWIMMING POOL - TELEPHONE EXPENSE						
	5950	PAETEC	MULTI DEPT/PHONE EXPENSE	57509087		07/08/2014	76.37
71-73-380	SWIMMING POOL - SWIMMING POOL - HEATING						
	6672	QUESTAR GAS	MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	6,768.81
71-73-392	SWIMMING POOL - SWIMMING POOL - BUILDING IMPROVEMENTS						
	4762	LEWIS, MITCHELL E.	POOL/INSTALL NEW MOTOR & BEARING	2880		06/03/2014	2,308.03
71-73-460	SWIMMING POOL - SWIMMING POOL - CONCESSION STAND EXPENSE						
	3158	FREEZING POINT LLC	POOL/CONCESSION EXPENSES	4932		07/08/2014	322.50
	7232	SAM'S CLUB	POOL/SNACK BAR SUPPLIES	06262014		06/26/2014	48.03

GL Acct No	Vendor	Vendor Name	Description	Invoice No	PO No	Inv Date	Amount
	7233	SAM'S CLUB	REC/ASSORTED SUPPLIES	06302014		06/30/2014	3,245.35
	8088	SYSCO INTERMOUNTAIN INC.	POOL/CONCESSIONS	407030674		07/03/2014	843.35
	8088	SYSCO INTERMOUNTAIN INC.	POOL/CONCESSIONS	407100896		07/10/2014	880.92
							5,340.15
71-73-480	SWIMMING POOL - SWIMMING POOL - DEPARTMENTAL SUPPLIES						
	239	ALLRED ACE HARDWARE	MULT DEPT/DEPARTMENT SUPPLIES	06292014		06/30/2014	8.63
71-73-481	SWIMMING POOL - SWIMMING POOL - CHEMICALS						
	1338	C.E.M.	POOL/SWIM POOL MAINTENANCE	105479		07/02/2014	1,792.20
	1338	C.E.M.	POOL/MAINTENANCE	105628		07/08/2014	75.16
	1338	C.E.M.	POOL/SWIM POOL MAINTENANCE	105629		07/08/2014	637.20
	1338	C.E.M.	POOL/SWIM POOL MAINTENANCE	105630		07/08/2014	1,863.00
	1338	C.E.M.	POOL/CREDIT	12506		07/15/2014	81.95
							4,285.61
Total SWIMMING POOL							18,861.60
Total SWIMMING POOL							18,861.60
72-71-060	COMMUNITY CENTER - RECREATION - COMMUNITY CTR - HEATING						
	6672	QUESTAR GAS	MULTI DEPT/HEATING EXPENSE	06302014		06/30/2014	550.37
72-71-062	COMMUNITY CENTER - RECREATION - COMMUNITY CTR - BLDG MAINT						
	1980	CONTRACTORS HEATING/COOLING	BUILDING MAINTENANCE SUPPLIES	101067154001		07/01/2014	419.53
72-71-410	COMMUNITY CENTER - RECREATION - PROGRAM SUPPLIES & EQUIPMENT						
	1353	CAPPADONIA, REBECCA J.	REC/CONTRACTED SERVICES	07012014		07/01/2014	292.00
	1504	CENTRAL UTAH RECREATION &	REC/MEMBERSHIP FEES	06132014		06/13/2014	100.00
	1504	CENTRAL UTAH RECREATION &	REC/LEAGUE FEES	07122014		07/12/2014	80.00
	3571	GURR'S COPYTEC	REC/COLOR COPIES	162165		07/07/2014	3.25
	4019	HUMPHRIES, INC.	REC/HELIUM	1109323		06/27/2014	175.00
	7233	SAM'S CLUB	REC/ASSORTED SUPPLIES	06302014		06/30/2014	627.76
	8075	SWANK MOTION PICTURES, INC.	REC/DVDS	1941822		07/01/2014	306.50
	8219	TEXTILE TEAM OUTLET & DESIGN	REC/ SHIRTS	31704		06/25/2014	572.65
	8219	TEXTILE TEAM OUTLET & DESIGN	REC/UNIFORMS	31742		07/08/2014	93.50
	8469	TOMLINSON, TREVOR D	REC/DJ SERVICES	06172014		06/17/2014	200.00
	9521	WILKINSONS TROPHY & ATHLETICS	REC/AWARDS	2860		04/23/2014	22.08
	9521	WILKINSONS TROPHY & ATHLETICS	REC/AWARDS	2861		04/17/2014	43.27
	9521	WILKINSONS TROPHY & ATHLETICS	REC/AWARDS	3105		04/23/2014	207.63
	9521	WILKINSONS TROPHY & ATHLETICS	REC/EQUIPMENT	53262		07/07/2014	289.83
	9521	WILKINSONS TROPHY & ATHLETICS	REC/EQUIPMENT	53269		07/07/2014	247.72
							3,261.19
72-71-420	COMMUNITY CENTER - RECREATION - CONTRACTED SERVICES						
	470	ANDERSEN, RALPH	REC/CONTRACTED SERVICES	07142014		07/14/2014	60.00
	1115	BRADLEY, RALPH	REC/CONTRACTED SERVICES	06252014		06/25/2014	64.00
	1355	CAPPADONIA, PHIL	REC/CONTRACTED SERVICES	07072014		07/07/2014	60.00
	1355	CAPPADONIA, PHIL	REC/CONTRACTED SERVICES	07142014		07/14/2014	60.00
	1355	CAPPADONIA, PHIL	REC/CONTRACTED SERVICES	07212014		07/21/2014	60.00
	1538	CHAMBERS, MOY M	REC/CONTRACTED SERVICES	06252014		06/25/2014	64.00
	1797	ADAM CLAWSON	REC/CONTRACTED SERVICES	06272014		06/27/2014	120.00
	1801	CLAWSON, MARK	REC/CONTRACTED SERVICES	06262014		06/26/2014	64.00
	1905	COMCAST CABLE	REC/INTERNET SERVICE	07212014		07/21/2014	120.24
	2021	CORNWELL, JOHN	REC/CONTRACTED SERVICES	07012014		07/01/2014	80.00
	3172	FULLER VAUGHN	REC/DESIGN SERVICES	1289		05/13/2014	450.00
	3192	GALVAN, GRANT	REC/CONTRACTED SERVICES	07022014		07/02/2014	64.00

GL Acct No	Vendor	Vendor Name	Description	Invoice No	PO No	Inv Date	Amount
	3823	HEILBUT, RICK	REC/CONTRACTED SERVICES	06242014		06/24/2014	64.00
	3823	HEILBUT, RICK	REC/CONTRACTED SERVICES	07012014		07/01/2014	80.00
	3823	HEILBUT, RICK	REC/CONTRACTED SERVICES	07032014		07/03/2014	64.00
	3823	HEILBUT, RICK	REC/CONTRACTED SERVICES	07072014		07/07/2014	90.00
	3823	HEILBUT, RICK	REC/CONTRACTED SERVICES	07142014		07/14/2014	60.00
	3823	HEILBUT, RICK	REC/CONTRACTED SERVICES	07212014		07/21/2014	60.00
	4690	LATHAM, DUFFY	REC/CONTRACTED SERVICES	07072014		07/07/2014	60.00
	4690	LATHAM, DUFFY	REC/CONTRACTED SERVICES	07142014		07/14/2014	60.00
	4690	LATHAM, DUFFY	REC/CONTRACTED SERVICES	07212014		07/21/2014	60.00
	5078	MARTIN, DAN	REC/CONTRACTED SERVICES	07032014		07/03/2014	64.00
	5457	MOUNT OLYMPUS	REC/BOTTLED WATER	070514		07/05/2014	39.55
	6687	QUILTER, EVAN	REC/CONTRACTED SERVICES	06262014		06/26/2014	64.00
	6687	QUILTER, EVAN	REC/CONTRACTED SERVICES	07212014		07/21/2014	60.00
	7382	SEPTON, NILSEN	REC/CONTRACTED SERVICES	07072014		07/07/2014	90.00
	7382	SEPTON, NILSEN	REC/CONTRACTED SERVICES	07092014		07/09/2014	80.00
	9754	YAKIWCHUK, DON	REC/CONTRACTED SERVICES	07022014		07/02/2014	64.00
	9754	YAKIWCHUK, DON	REC/CONTRACTED SERVICES	07032014		07/03/2014	80.00
	9756	YAKIWCHUK, KELLEY	REC/CONTRACTED SERVICES	06242014		06/24/2014	64.00
							2,469.79
Total RECREATION							6,700.88
Total COMMUNITY CENTER							6,700.88
73-71-550	CULTURAL ARTS - PROGRAM EXPENDITURES - ARTS COUNCIL EXPENSE						
4025	HUNT, SCOTT	ARTS/SOUND FOR CONCERTS		07232014		07/23/2014	200.00
Total PROGRAM EXPENDITURES							200.00
Total CULTURAL ARTS							200.00
Grand Total:							258,070.92

GL Acct No	Vendor	Vendor Name	Description	Invoice No	PO No	Inv Date	Amount
Dated: _____							
Mayor: _____							
City Council: _____							
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City Recorder: _____							
City Treasurer: _____							